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INDIA

AIRMAN'S INFORMATION MANUAL

AIRPORT/FACILITY DIRECTORY

SECTION IV A



EFFECTIVE 0501Z 28 APRIL 1966
To 0501Z 26 MAY 1966

FEDERAL AVIATION AGENCY

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AIRPORT/FACILITY DIRECTORY LEGEND

LOCATION

The airport location is given in nautical miles (to the nearest mile) and direction from center of referenced city.

ELEVATION

Elevation is given in feet above mean sea level and is based on highest usable portion of the landing area. When elevation is sea level, elevation will be indicated as "00." When elevation is below sea level, a minus sign (−) will precede the figure.

RUNWAYS

The runway surface length, and weight bearing capacity are listed for the longest instrument runway or sealane, or the longest active landing portion of the runway or strip, given to the nearest hundred feet, using 70 feet as the division point, i.e., 1468 feet would be shown as "14"; 1474 feet would be shown as "15". Runway lengths prefixed by the letter "H" indicates that runways are hard surfaced (concrete; asphalt; bitumen, or macadam with a seal coat). If the runway length is not prefixed, the surface is sod, alay, etc. The total number of runways available is shown in parenthesis. (However, only hard surfaced runways are counted at airfields with both hard surfaced and sod runways.)

RUNWAY WEIGHT BEARING CAPACITY

Add 000 to figure following S, T, TT and MAX for gross weight capacity, e.g., (S-000).

S-Runway weight bearing capacity for aircraft with single-wheel type landing gear. (DC-3), etc.

T-Runway weight bearing capacity for aircraft with twin-wheel type landing gear. (DC-6), etc.

TT-Runway weight bearing capacity for aircraft with twin-tandem type landing gear. (707), etc.

Quadricycle and twin-tandem are considered virtually equal for runway weight bearing considerations, as are single-tandem and twin-wheel.

A blank space following the letter designation is used to indicate the runway weight bearing capacity to sustain aircraft with the same type landing gear, although definite figures are not available, e.g., (T-).

Omission of weight bearing capacity indicates information unknown. Footnote remarks are used to indicate a runway with a weight bearing greater than the longest runway.

LIGHTING

B: Rotating Light (Rotating beacon). (Green and white, split-beam and other types.) Omission of B indicates rotating light is either not available or not operating standard hours (sunset-sunrise).

Note.—Code lights are not codified, and are carried in Remarks.

L: Field Lighting (when code L4-7 is indicated, lighting 4, 5, 6, 7 is available). An asterisk (*) preceding an element indicates that it operates on prior request only (by phone call, telegram or letter). Where the asterisk is not shown, the lights are in operation or available sunset to sunrise or by request (radio call). L by itself indicates temporary lighting, such as flares, smudge pots, lanterns.

- 1—Strip lights or portable runway lights (electrical)
- 2—Boundary
- 3—Runway Floods
- 4—Low Intensity Runway
- 5—Medium Intensity Runway
- 6—High Intensity Runway
- 7—Instrument Approach (neon)
- 8A, B, or C—High Intensity Instrument Approach

U.S. STANDARD (A)	LEFT SINGLE ROW (HIGH INTENSITY)	NEON LADDER
 	 	 

- 9—Sequence Flashing Lights (3,000' out unless otherwise stated)
- 10—Visual Approach Slope Indicator (VASI)
- 11—Runway end identification lights (threshold strobe) (REIL)
- 12—Short approach light systems (SALS)
- 13—Runway alignment lights (RAIL)
- 14—Runway centerline
- 15—Touchdown zone

Because the obstructions on virtually all lighted fields are lighted, obstruction lights have not been included in the codification.

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SERVICING

- S1:** Storage.
- S2:** Storage, minor airframe repairs.
- S3:** Storage, minor airframe and minor powerplant repairs.
- S4:** Storage, major airframe and minor powerplant repairs.
- S5:** Storage, major airframe and major powerplant repairs.

FUEL

- | | |
|-----------|---------------------------------------|
| F1 | 80 oct., at least. |
| F2 | 80/87 oct., or lower. |
| F3 | 91/96 oct., or lower. |
| F4 | 100/130 performance rating, or lower. |
| F5 | 115/145 performance rating, or lower. |

TURBINE FUELS

- TP-1** 650 turbine fuels for civil jets.
- JP-1** (Kerosene), **JP-2**, **JP-4**, **JP-5**.

DAYLIGHT SAVING TIME

An airport located in a geographic area which normally converts to daylight saving time will be so identified by use of a code.

The two most common time periods during which daylight time is in effect in the conterminous United States are April 25-September 26 and April 25-October 31, and these are indicated as DT 1 and DT 2 respectively. The code "DT" by itself indicates that daylight time is in effect but not on the common time periods of DT 1 or DT 2. In such cases the applicable time period is footnoted in the airport remarks section.

Reference to daylight time will remain in the Airport Directory continuously.

OTHER

AOE—Airport of Entry.

VASI—Visual Approach Slope Indicator, applicable runway provided.

RVW—Runway visibility, applicable runway provided.

RVR—Runway Visual Range, applicable runway provided.

FSS—The name of the controlling FSS is shown in all instances. When the FSS is located on the named airport, "on fld" is shown following the FSS name. When the FSS can be called through the local telephone exchange, (Foreign Exchange) at the cost of a local call, it is indicated by "(LC)" (local call) with the phone number immediately following the name of the FSS, i.e., "FSS: WICHITA (LC481-5807)." When an Interphone line exists between the field and the FSS, it is indicated by "(DL)" (direct line) immediately following the name of the FSS, i.e., "FSS: OTTO (DL)."

AIRPORT REMARKS

"**FEE**" Indicates landing charges for private or non-revenue producing aircraft. In addition, fees may be charged for planes that remain over a couple of hours and buy no services, or at major airline terminals for all aircraft.

"**Rgt Mc 13-31**" Indicates right turns should be made on landings and takeoffs on runways 13 and 31.

Remarks: data is confined to operational items affecting the status and usability of the airport, traffic patterns and departure procedures.

Obstructions.—Because of space limitations only the more dangerous obstructions are indicated. Natural obstructions, such as trees, clearly discernible for contact operations, are frequently omitted. On the other hand, all pole lines within at least 15:1 glide angle are indicated.

COMMUNICATIONS

Clearance is required prior to taxiing on a runway, taking off, or landing at a tower controlled airport.

When operating at an airport where the control tower is operated by the U.S. Government, two-way radio communication is required unless otherwise authorized by the tower. (When the tower is operated by someone other than the U.S. Government, two-way radio communication is required if the aircraft has the necessary equipment.)

Frequencies transmit and receive unless specified as: T—Transmit only, R—Receive only, X—On request. Primary frequencies are listed first in each frequency grouping, i.e., VHF, LF. Emergency frequency 121.5 is available at all TOWER, APPROACH CONTROL and RADAR facilities, unless indicated otherwise by a cross-out: ~~121.5~~

Radar available is listed under "RADAR SERVICES". Radar beacons are indicated by "(BCN)" after "RADAR SERVICES", when available.

VOICE CALL

The voice call for contact with the traffic control services listed at each airport is the airport name followed by the call of the particular service desired, i.e., "LAGUARDIA TOWER." In these instances, only the name of the service is listed. When the voice call of the facility is not the same as the airport name, the complete voice call is listed.

SERVICES AVAILABLE**TOWER**

Pre-Taxi Clearance Procedure
Clearance Delivery (CLRNC DEL).

Approach Control (APP CON) Radar and Non-Radar.

Departure Control (DEP CON) Radar and Non-Radar.

VFR Advisory Service (VFR ADV) Non-Radar.

Traffic Information Service (TFC INFO) Radar.

Surveillance Radar Approach (ASR).

Precision Radar Approach (PAR).

Ground Control (GND CON).

VHF Direction Finding (VHF/DF).

RADIO NAVIGATION AIDS

Included in this section is a tabulation of all Air Navigation Radio Aids in the National Airspace System

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and those upon which the FAA has approved an instrument approach. Private or military Navigation Radio Aids not in the National Airspace System are not tabulated.

AUTOMATIC TERMINAL INFORMATION SERVICE (ATIS)

ATIS is continuous broadcast of recorded non-control information in selected areas of high activity. See Section II.

RADAR APPROACH PROCEDURE MINIMA

Weather minima for precision and surveillance radar approaches (PAR/ASR) specify only the lowest straight-in authorized for the approach.

FLIGHT SERVICE STATION (FSS)

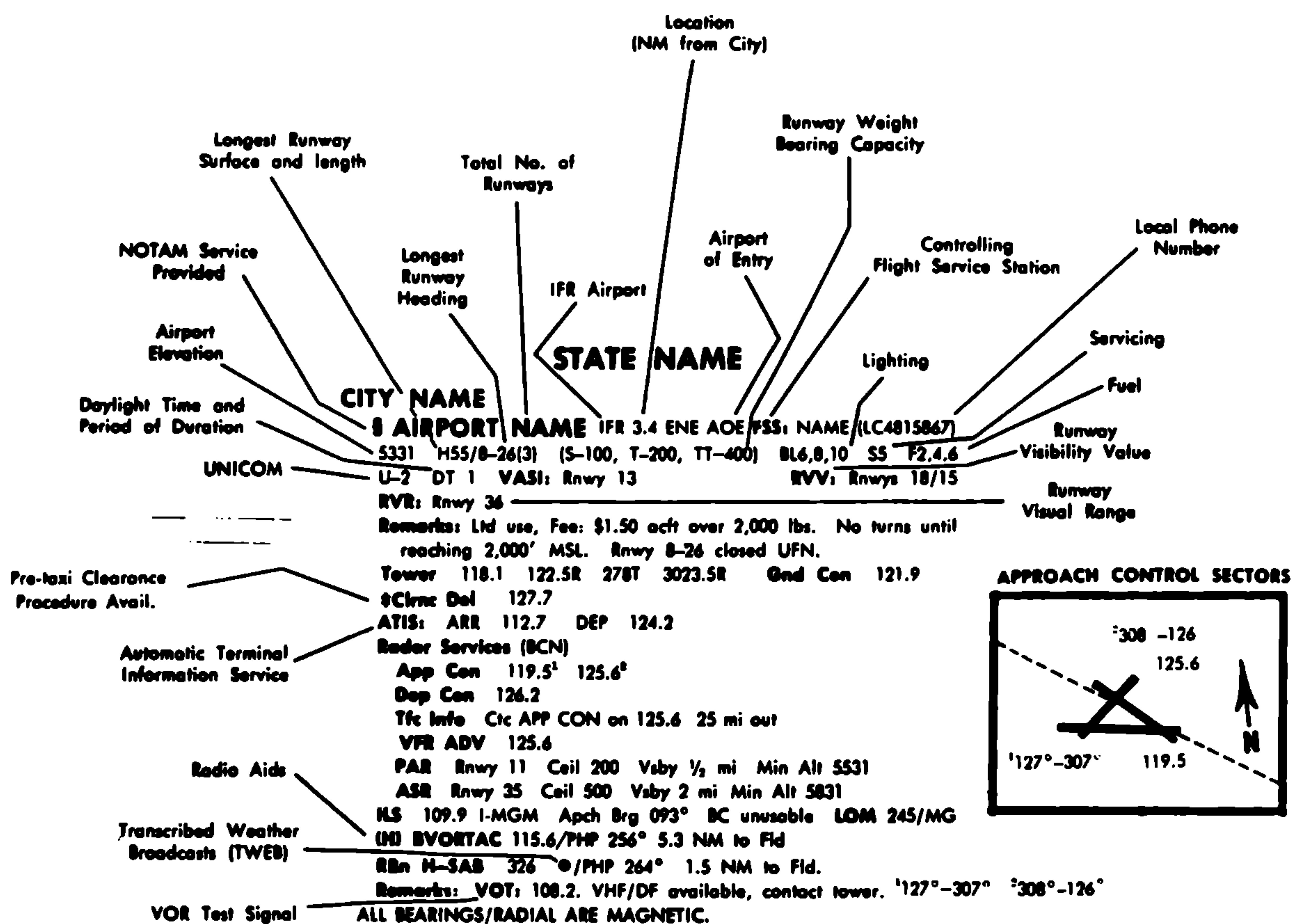
Airport Advisory Service (AAS).
Flight Following Service.
Island, Mountain and Lake Reporting Service.

UNICOM

Private aeronautical station, operates same hours as the airport, transmits and receives on one of the following frequencies:

U-1—122.8 mc (at airports without a control tower).

U-2—123.0 mc (at airports with a control tower).

SAMPLE

RADIO CLASS DESIGNATIONS

Identification of VOR/VORTAC/TACAN Stations by Class (Operational Limitations):

Class	Normally Anticipated Altitude	Service	Normally Anticipated Interference-Free Distance	Service
H	Up to 45,000' MSL	149.75 smi (130 nmi)		
	Above 45,000' MSL	115.2 smi (100 nmi)		
L	Up to 18,000' MSL	46.06 smi (40 nmi)		
T	Up to 12,000' MSL	28.79 smi (25 nmi)		
	H=High	L=Low	T=Terminal	

NOTE: An H facility is capable of providing L and T service volume and an L facility additionally provides T service volume.

The term VOR is, operationally, a general term covering the VHF omnidirectional bearing type of facility without regard to the fact that the power, the frequency-protected service volume, the equipment configuration, and operational requirements may vary between facilities at different locations.

AB -----	Continuous automatic transcribed broadcast service.
B -----	Scheduled Broadcast Station (broadcasts weather at 15 and 45 minutes after the hour; Air Force Broadcasts, generally, 20 minutes).
DME -----	UHF standard (TACAN compatible) distance measuring equipment.
H -----	Non-directional radio beacon (homing), power 50 watts to less than 2,000 watts.
HH -----	Non-directional radio beacon (homing), power 2,000 watts or more.
H-SAB -----	Non-directional radio beacons providing automatic transcribed weather service.
ILS -----	Instrument Landing System (voice on localizer channel).
LMM -----	Compass locator station when installed at middle marker site.
LOM -----	Compass locator station when installed at outer marker site.
MA -----	Range (adcock, vertical radiators), power less than 50 watts.
MH -----	Non-directional radio beacon (homing) power less than 50 watts.
ML -----	Range (loop radiators), power less than 50 watts.

MRA -----	Range (adcock, vertical radiators), power 50 watts or more but less than 150 watts.
MRL -----	Range (loop radiators), power 50 watts or more, but less than 150 watts.
RA -----	Range (adcock, vertical radiators), power 150 watts or more.
RBN -----	Non-directional rdo bcn.
RL -----	Range (loop radiators), power 150 watts or more.
S -----	Simultaneous range, homing signal and/or voice.
SABH -----	Non-directional radio beacon having limited navigational use. Provides automatic weather broadcasts.
TACAN -----	UHF navigational facility—omnidirectional course and distance information.
VOR -----	VHF navigational facility—omnidirectional, course only.
VOR/DME --	Collocated VOR navigational facility and UHF standard distance measuring equipment.
VORTAC ---	Collocated VOR and TACAN navigational facilities.
W -----	Without voice facilities on range frequency.
Z -----	VHF station location marker at a LF range station.

NOTES

1. All FAA MH facilities operate continuously unless otherwise cited.
2. All FAA ranges operate continuously. Those which are not manned continuously are cited in the remarks with hours of operation in parentheses, e.g., (0600-2400).
3. LMF and VHF ranges listed at the same location are controlled by the same FSS.
4. Military navigational facilities which are not part of the common system are not listed in this publication.

ALABAMA

ANNISTON (L) BVOR 108.8/ANB RBn BMH 329/ANB	FSS: ANNISTON
BIRMINGHAM MUNI IFR 4NE FSS: BIRMINGHAM on Rd 643 H92/5-23(2) (S-120, T-170, TT-300) BL6,8A,9,10 SS F5, JPI, JP4 U2 RVR: Rwy 5 VASI: Rwy 23. Remarks: Jet barrier on overrun rwy 23. Rwy threshold displaced 1761' SW. Rwy 5 9247' lgtd full length. Tower 118.7 126.2 122.5R 110.3T Gnd Con 121.9	Radar Services: (BCN) App Con 119.9 126.2 110.3T Dep Con 124.9 Tfc Info Ctc App Con 25 NM out. ASR Rwy 5: Ceil 600, Vsby 1 mi, Min Alt 1243. Rwy 18: Ceil 700, Vsby 1 mi, Min Alt 1343. Rwy 23: Ceil 900, Vsby 1 mi, Min Alt 1543. Rwy 36: Ceil 800, Vsby 1 mi, Min Alt 1443. ILS ¹ 110.3 I-BHM Apch Brg 052 BC unusable LOM: 224/BH (H) BVORTAC 114.4/BHM 127° 9.8NM to Rd. RBn H-SAB 2240/BH 052° 4.5 to Rd. Remarks: 'Glide slope unusable below 682'. VOT: 112.0 LOM is H-SAB.
BRANTLEY RBn MHW 410/XBR	FSS: DOTHAN
BROOKLEY (L) BVORTAC 112.8/BFM RBn HW 263/BFM	FSS: MOBILE
BROOKWOOD (L) BVOR 111.0/BWA	FSS: BIRMINGHAM
CAIRNS (L) VOR 111.2/OZR RBn MHW 212/OZ	
DECATUR (L) BVOR 108.6/DCU	FSS: HUNTSVILLE
DOTHAN IFR 7NW FSS: DOTHAN on Rd 395 H56/18-36(3) (S-60, T-105, TT-190) BL6 SS F4 U-1 Remarks: 1209' AGL twr 10NM ESE. Displaced threshold rwy 36, 600'N. VFR ADV: Ctc Cairns APP/DEP CON Radar Services: ASR Rwy 18: Ceil 400 Vsby 1 mi Min Alt 795'. (L) BVORTAC 111.6/DHN 334° 1.9NM to rwy 36 VHF/DF available, ctc FSS.	
ENTERPRISE RBn MHW 308/ETP	FSS: DOTHAN
EUFALA (L) BVOR 109.2/EUF	FSS: DOTHAN
EVERGREEN (L) BVOR 116.8/EVR	FSS: MOBILE
FLO RALA RBn MHW 374/FLZ	
GADSDEN (L) BVOR 112.3/GAD	FSS: ANNISTON
HAMILTON (L) BVOR 110.4/HAB	FSS: MUSCLE SHOALS
HANCHEY (L) VOR 112.4/HEY	FSS: DOTHAN
HUNTSVILLE-MADISON IFR 3S FSS: MUSCLE SHOALS (DL) 619 H52/18-36 (2) (S-50, T-85, TT-130) BL4,6,8A,9 SS F4, JP1 RVR: Rwy 18 Tower 119.7 122.5R 109.0T Gnd Con 121.9 App Con 125.6 122.5R 109.0T ILS ¹ 109.3 I-HSV Apch Brg 179° LOM: 242/HS Huntsville (L) BVOR 109.0/HSV 158° 6.4NM to rwy 18. Remarks: 'Glide slope unusable below 657' MSL.	
LOWE RBn MHW 269/LOR	FSS: DOTHAN
MAXWELL (L) VOR 110.2/MXF	FSS: MONTGOMERY
MOBILE	
BATES FLD IFR 9W 217 H78/14-32(3) (S-40, T-150, TT-280) BL4,6,8A,9 SS F5 JPI, U2 RVR Rwy 14 Remarks: Threshold displaced 1000' NW rwy 32 Tower 118.3 126.2 122.5R Gnd Con 121.9	FSS: MOBILE on Rd

ALABAMA—Continued

Radar Services: (BCN) Mobile App Con ¹ 118.5 126.2 121.0 122.7R 115.3T 112.8T Mobile Dep Con 134.1 125.7 ILS 109.9 I-MOB Apch Brg 141° BC unusable LOM: 248/MO Mobile (H) VORTAC 115.3/MOB 108° 6.3NM to Rd. Mobile RBn BH 248/MO 140° 4.6NM to Rd. Remarks: 'APP CON unable to provide complete radar tc advy svc from BFM VORTAC 090-110° rad. LOM is BH.'	FSS: MONTGOMERY on Rd 221 H90/9-27(3) (S-120, T-170, TT-300) BL4,6,8A,9 SS F4 JPI U2 RVR: Rwy 9
MONTGOMERY	
SDANNELLY FLD IFR 6SW FSS: MONTGOMERY on Rd 221 H90/9-27(3) (S-120, T-170, TT-300) BL4,6,8A,9 SS F4 JPI U2 RVR: Rwy 9	
Remarks: J-Bar runway 9-27. Closed to actv heavier than Super G Constellation and DC-7 regardless of wt displacement per wheel.	
Tower 119.7 126.2 122.5R 109.9T Gnd Con 121.9	
Radar Services: (BCN)	
Montgomery App Con 121.1 126.2 122.7R 112.1T Montgomery Dep Con 125.5 124.0 Tfc Info Ctc Montgomery App Con on 121.1 (Low) aprx 25 mi. out.	
ASR Rwy 9,27 Ceil 400 Vsby 1 mi Min Alt 621	
ILS 109.9 I-MGM Apch Brg 093° LOM 245/MG	
VHF/DF avail ctc twr.	
Montgomery (H) BVORTAC 112.1/MGM 310° 5.6NM to Rd.	
MUSCLE SHOALS (L) BVORTAC 116.5/MSL FSS: MUSCLE SHOALS	
PRATTVILLE RBn HW 362/PRV FSS: MONTGOMERY	
REDSTONE RBn HW 287/HUA FSS: MUSCLE SHOALS	
ROEBUCK RBn MHW 201/ROE	
SELMA (L) VOR 114.6/SEM FSS: MONTGOMERY	
TALLADEGA (L) BVOR 108.4/TAG FSS: ANNISTON	
TUSCALOOSA (L) BVORTAC 117.8/TCL FSS: TUSCALOOSA	
TUSKEGEE (L) BVOR 117.3/TGE FSS: MONTGOMERY	
WHITESBURG RBn MHW 407/ITS	
ARIZONA	
BUCKEYE (L) BVORTAC 110.6/BXK FSS: PHOENIX	
CASA GRANDE (L) BVORTAC 114.8/CZG FSS: PHOENIX	
COCHISE (L) BVORTAC 110.4/CIE FSS: DOUGLAS	
DOUGLAS (L) BVOR 108.8/DUG FSS: DOUGLAS	
GILA BEND (H) BVORTAC 116.6/GBN FSS: PHOENIX	
LIBBY (L) VOR 111.6/FHU FSS: DOUGLAS	
PEACH SPRINGS (H) BVORTAC 112.0/PGS FSS: PRESCOTT	
PHOENIX	
SKY HARBOR MUNI IFR 3E FSS: PHOENIX on Rd 1122 H103/8R-26L(2) (S-100, T-200, TT-370) BL4,10 SS F5 JPI U2 VASI: Rwy 8R Phoenix Tower 118.7 122.5R 120.9 Gnd Con 121.9 Cirrc Del 120.4 Phoenix App Con 118.1 122.5R 115.6T	
Phoenix (H) BVORTAC 115.6/PHX 256° 5.3NM to Rd.	
Phoenix RBn BHZ 326/PHX 264° 1.5NM to Rd.	
Remarks: VOT: 109.0	
PREScott (H) BVORTAC 114.1/PRC FSS: PREScott	
ST. JOHNS (H) BVORTAC 112.3/SJN FSS: Zuni	
SAN SIMON (H) BVORTAC 115.4/SSO FSS: DOUGLAS	
TUBA CITY (H) BVORTAC 113.5/TBC FSS: PREScott	

ARIZONA—Continued

TUCSON INTL IFR 65 AOE FSS: TUCSON on Fld
2630 H120/12L-30R(3) (S-100, T-200, TT-360) BL4 S5
F5, JP1, JP4 U2
Remarks: 5649' avbl Indg rnwy 3, 6000' avbl rnwy 21. Jet
arresting gear rnwy 12L-30R. 1000' overrun each end rnwy
12L-30R.
Tower: 118.3 122.5R Gnd Con 121.9
Radar Services: (BCN)
App Con 118.5 134.1 126.2 125.9 125.1 122.5R
Dep Con 125.9 Tfc Info ctc App Con 25 mi out.
ASR Rwy 12, 30 Ceil 400 Vsby 1 mi Min Alt 3030.
VHF/DF avail ctc FSS.
(H) BVORTAC 117.1/TUS 254° 6.1NM to Ad.
RBn H-SABZ 338•/TUS 083° 10.6NM to Ad.

WINSLOW (H) BVORTAC 112.6/INW FSS: PRESCOTT
RBn H-SAB 266•/INW

YUMA MCAS/INTL IFR 35 AOE FSS: YUMA on Fld
213 H133 (3L-21R)(4) (S-103, T-225, TT-410) BL4,6 S5 F4
Remarks: Rwy 17-35 GWT (S-170, T-200, TT-400). Jet
arresting gear rnways 3L-21R, 3R-21L.
Tower 126.2 121.5 122.5R 119.3 Gnd Con: 121.9
VHF/DF avail ctc tower.
(H) BVORTAC 116.8/YUM 167° 6.0NM to Ad.
RBn MHW 344/NYL at Ad.

ARKANSAS

BLYTHEVILLE (L) VOR 108.2/BYH FSS: DYERSBURG
RBn HW 311/BYH

BRUINS RBn MHW 215/BSA FSS: MEMPHIS

CABOT (L) VOR 108.4/CBT FSS: LITTLE ROCK
RBn HW 275/CBT

CROSSETT RBn MHW 396/CRT FSS: EL DORADO

DRAKE (T) BVOR 108.8/DAK FSS: FAYETTEVILLE

EL DORADO (L) BVORTAC 108.2/ELD FSS: EL DORADO

FAYETTEVILLE (H) BVORTAC 116.4/FYV FSS: FAYETTEVILLE

FLIPPIN (L) BVOR 115.1/FLP FSS: HARRISON

FORT SMITH MUNI IFR 4SE FSS: FORT SMITH on Fld
468 H80/7-25(2) (S-90, T-120, TT-) BL4,6,8A,9 S5
F-5, JP-1 U2 RVV: Rwy 25
Remarks: Jet barrier rnwy 7-25.
Tower 118.3 126.2 122.5R Gnd Con 121.9
App Con 125.4 126.2 118.3 110.4T 109.5T 311T
ILS 109.5 I-FSM Apch Brg 254° BC unusable LOM: 223/FS
(L) BVORTAC 110.4/FSM 226° 5.2 NM to fld.
RBn BMH 311/FSM 161° 9.8NM to Ad.
RBn HW 223/FS 254° 6.9NM to Ad.
Remarks: LOM is HW.

HARRISON (L) BVOR 110.8/HRO FSS: HARRISON

HOT SPRINGS

MEMORIAL FLD IFR 3SW FSS: PINE BLUFF (LC NA 4-4481)
535 H50/5-23(2) (S-35, T-49, TT-78) BL4 S5 F4
Tower 120.3 122.5R 110.0T 248T Gnd Con 121.7
Hot Springs App Con 120.3 122.5R 110.0T 248T
Hot Springs (L) VOR 110.0/HOT on Ad.
Hot Springs RBn MHW 385/HOT 061° 4.1NM to Ad.

LITTLE ROCK

SADAMS FLD IFR 2E FSS: PINE BLUFF (LC FR 6-4348)
257 H70/4-22(3) (S-49, T-173, TT-136) BL4,6,8A,9 S5
F4, JP1, JP4 U2 RVV: Rwy 4
Tower 118.7 126.2 122.5R Gnd Con 121.9
Radar Services: (BCN)
Little Rock App Con 119.5° 126.2 124.2° 122.5R 113.9T

ARKANSAS—Continued

LITTLE ROCK Dep Con 118.1
Tfc Info All inbd acft ctc App Con 25 mi out.
ASR¹ Rwy 4, 22, 32, 35 Ceil 500 Vsby 1 mi Min Alt 757.
ILS 110.3 I-LIT Apch Brg 041° LOM: 219/LI
LITTLE ROCK (H) BVORTAC 113.9/LIT 315° 3.8NM to rnwy 32.
LITTLE ROCK RBn BM 353/LIT 316° 3.3NM to rnwy 32.
Remarks: '001-180° 181-360°.

MONTICELLO (L) BVORTAC 111.6/MON FSS: PINE BLUFF

PINE BLUFF (L) BVORTAC 116.0/PBF FSS: PINE BLUFF

ROGERS RBn MHW 263/ROG FSS: FAYETTEVILLE

STUTTGART RBn MHW 269/SGT FSS: PINE BLUFF
Remarks: Owned by the city.

TEXARKANA (H) BVORTAC 116.3/TXK FSS: TEXARKANA
RBn SABH 329•/TXK

WALNUT RIDGE (H) BVORTAC 114.5/ARG FSS: WALNUT RIDGE

CALIFORNIA

ARCATA

ARCATA-EUREKA IFR 7NW FSS: ARCATA on Fld
217 H60(2)(13-31) (S-90, T-140, TT-260) BL5,6,8A,9,10 F4 DT2
VASI: Rwy 13 RVV: Rwy 31
Remarks: Rgt tfc rnways 13, 19.
VHF/DF Available.
ILS 109.5 I-ACV Apch Brg 314° BC unusable LMM: 233/CV
Remarks: SLMM unusable b/w 120-150° beyond 5 NM.

AVENAL (H) BVORTAC 117.1/AVE FSS: PASO ROBLES

BAKERSFIELD

SMEAOWS FIELD IFR 4NW FSS: BAKERSFIELD on Fld
488 H57/12L-30R(2) (S-110, T-170, TT-300) BL4,6,8A,9
S5 F5, JP1 U2 DT2 RVV: Rwy 30R
Tower 118.1 122.5R Gnd Con 121.9
Bakersfield App Con 118.8 115.4T Bakersfield Dep Con 118.8
ILS 109.9 I-BFL Apch Brg 299° LOM: 278/BF
VHF/DF available ctc FSS.
Bakersfield (H) BVORTAC 115.4/BFL 131° 3.4NM to Ad.

BEALE (L) VOR 108.8/BAB

BIG SUR (L) BVORTAC 114.0/BSR FSS: SALINAS

BLYTHE (H) BVORTAC 117.4/BLH FSS: BLYTHE
RBn SABH 251•/BLH

BURBANK

LOCKHEED AIR TERMINAL IFR 3NW FSS: LOS ANGELES (DL)
775 H69 (15-33)(2) (S-80, T-150, TT-280) BL5,6,8A,9,11
S5 F5, JP1, JP4 U2 DT2 REIL rwy 15
Remarks: Rwy 15 displaced threshold 900'. S 6060' avbl
Indg rnwy 15 lk off rnwy 33. Rwy 33 displaced threshold
410' N. 6550' Indg rnwy 33, lk off rnwy 15. Rgt tfc rnwy 7,
15. Rwy 15-33 lgt N of rnwy 7-25 only.

Burbank Tower 118.7 122.7R 404.5 Gnd Con 121.9

Radar Services:

Burbank App Con 120.9
Burbank Dep Con 118.4
Tfc Info Ctc Burbank App Con 30 NM out on 120.9.
ASR Rwy 7 Ceil 500 Vsby 1 mi Min Alt 1275.
ILS 109.5 I-BUR Apch Brg 076° LOM: 272/BU
VHF/DF available, contact Tower.
Remarks: 'Unusable beyond 30 NM below 13,000' 360°-085°;
below 4000' 085°-240°; below 6000' 240°-320°; below 10,000'
320-360°. ²Glide slope unusable below 1075' MSL. VOT: 110.0

CAMARILLO RBn HW 359/CAV FSS: LOS ANGELES

CALIFORNIA—Continued

CASTLE (I) VOR¹	114.2/MER	
BBn MHW	409/ME	
Remarks: ¹ Inoperative.		
CHICO (I) BVOR	109.8/CIC	FSS: RED BLUFF
COLTON BBn HWZ	397/SB	FSS: ONTARIO
CONCORD		
SBUCHANAN FIELD IFR	1N	FSS: OAKLAND (DL)
19 H50/1-19(3)	(S-60, T-80, TT-130)	BL5 SS DT2 F4
Tower ¹	119.7	122.4R Gnd Con 121.9
Radar Services:		
Travis App Con	119.9	
T-BVOR	110.6/CCR	171° 3.1 NM to fd.
Remarks: ¹ Oper 1500-0700Z.		
CRESCENT CITY (I) BVOR	109.0/CEC	FSS: CRESCENT CITY
Remarks: Class to be changed to (I) BVORTAC June 17, 1966.		
DAGGETT (I) BVORTAC	113.2/DAG	FSS: DAGGETT
DOWNEY BBn HW	371/DOW	FSS: LOS ANGELES
EDWARDS (I) VORW	116.4/EDW	
BBn MH	401/EDW	
EL TORO (I) VOR	111.0/NZJ	
BBn HW	410/NZJ	
FARALLON ISLAND BBn HW	314/F	
FELLOWS (I) BVORTAC	117.5/FLW	FSS: BAKERSFIELD
FILLMORE (I) BVORTAC	112.5/FIM	FSS: LOS ANGELES
PORT JONES (I) BVOR	109.6/FJS	FSS: MONTAGUE
FORTUNA (I) BVORTAC	114.0/FOT	FSS: ARCATA
FRESNO AIR TERMINAL IFR	5 NE	FSS: FRESNO on fd
332 H92/11L-29R(3)	(S-50, T-70, TT-140)	BL5,6,8A,9 SS F4, JP1, JP4 U2 DT2 RVV: Rwy 11L. RVR: Rwy 29R.
Remarks: Rgt Ifc rwy 7 & 11. Jet barrier arresting gear 11L-29R.		
Tower	118.7	126.2 122.7R 110.3T Gnd Con 121.9
Radar Services: (BCN)		
App Con	119.6	126.9
Dep Con	126.9	
ILS	110.3	I-FAT Apch Brdg 289° LOM: 266/FA
(H) BVORTAC	112.9/FAT	134° 7.1NM to fd.
BBn H-SAB	3440/FAT	049° 6.2 NM to fd.
FRESNO-CHANDLER IFR	2W	FSS: FRESNO (DL)
283 H35/11R-29L(2)	(S-17 T-TT-)	BL5 SS F4 U2 DT2
Remarks: Rgt Ifc rwy 11R. Rwy 29L displaced threshold 730' NW, rwy 11R displaced 495' SE.		
Chandler Tower ¹	121.1	122.5R 278T Gnd Con 121.7
Radar Services: (BCN)		
Fresno App Con	119.6	126.9
Fresno Dep Con	126.9	
Remarks: ¹ Oper 1400-0600Z.		
FRIANT (I) BVORTAC	115.6/FRA	FSS: FRESNO
FULLERTON MUNI IFR	3W	FSS: LOS ANGELES (DL)
96 H31/6-24(1)	(S-8, T-, TT-)	BL5,11 SS F4 U2 DT2 REIL: Rwy 24.
Remarks: Rwy 6 displaced threshold 437' E. 2683' avbl Indg rwy 6. Rwy 24 displaced threshold 263' W. 2857' avbl Indg rwy 24. Rwy 24 apch restricted by poleline. Rgt Ifc rwy 24. Entry alt 1200' MSL.		
Tower ¹	119.1	122.6R 124.6 Gnd Con 121.7
Radar Services:		
Long Beach App Con	124.2	135.8 110.3T
Long Beach Dep Con	127.2	
Remarks: ¹ Oper 1400-0600Z.		

CALIFORNIA—Continued

GAVIOTA (I) BVORTAC	116.5/GVO	FSS: SANTA BARBARA
GEORGE (I) VOR	108.6/VCV	FSS: PALMDALE
GLENDALE BBn MHW	341/GCE	FSS: LOS ANGELES
Remarks: To be decomsnd June 23.		
GOFFS (I) BVOR	114.4/GFS	FSS: NEEDLES
GORMAN (I) BVORTAC	116.1/GMN	FSS: BAKERSFIELD
HAMILTON (I) VOR 109.0/SRF		
SHAWTHORNE MUNI IFR	1E	FSS: LOS ANGELES (DL)
64 H45/7-25(1)	(S-30, T-40, TT-)	BL4,11 S-5 F4 U2 DT2 REIL ¹ rwy 25
Remarks: Rwy 7 displaced threshold 1025' E, 3975' avbl Indg rwy 7. Rwy 25 displaced threshold 475' W. 4525' avbl Indg rwy 25. Prior opvl reqd for single eng acft 1000 HP or more. Rwy 25 apch restricted by pole line. Rgt Ifc E. ¹ REIL inop 2300-0700.		
Tower ¹	121.1	122.5R 124.6 Gnd Con 121.9
Radar Services:		
Los Angeles App Con	124.9 ²	124.5 ³ 113.6T 109.9T
Los Angeles Dep Con	124.3 ²	125.2 ³
Remarks: ¹ Oper 1500-0700Z. ² 045°-224°. ³ 225°-044°.		
HAYWARD BBn MHW	242/HWD	FSS: OAKLAND
46 H52/10R-28L(2)	(S-100, T-190, TT-290)	BL4 SS F4 DT2
Remarks: Rwy 10R threshold displaced 800' on W end.		
Tower	118.9	122.5R 212T Gnd Con 121.7
Radar Services:		
Oakland App Con	118.1	116.8T
Oakland Dep Con	124.7	120.9 116.8T
Remarks: ¹ Oper 0600-2400 lcl time.		
HAYWARD BBn MHW	242/HWD	FSS: OAKLAND
HECTOR (H) BVORTAC	112.7/HEC	FSS: DAGGETT
IMPERIAL (H) BVORTAC	115.9/IPL	FSS: IMPERIAL
JULIAN (I) BVORTAC	114.0/JLI	FSS: SAN DIEGO
LAKE HUGHES (I) VORW	108.4/LHS	FSS: PALMDALE
LA VERNE		
BRACKETT FLD IFR	1SW	FSS: ONTARIO (DL)
997 H40/8-26(1)	BL4 SS U2 DT2	
Remarks: Rgt Ifc rwy 8. Avoid flt over fair gnd bldgs.		
Tower ¹	118.2	122.7R 124.6 Gnd Con 121.7
VFR ADV: Ctc March APP CON 120.8, 122.5R/DEP CON 125.5, 122.5R		
Remarks: ¹ Oper 0700-2300.		
LEMOORE BBn MH	328/NLC	
LINDEN (I) BVORTAC	115.5/LIN	FSS: STOCKTON
LONG BEACH IFR 3NE		
FSS: LOS ANGELES (DL)		
LONG BEACH (Daugherty Fld)		
58 H100/12-30(5)	(S-90, T140, TT-240)	BL4,6,8A,10,11,12 SS F5, JP1, JP4 U2 DT2
Remarks: All itinerant acft ctc Long Beach apch ctl regardless of wea, call at least 20 mi fm arpt. Rgt Ifc rwys 7R, 16R, 25R, 34R.		
Long Beach Tower	119.5 ¹	120.5 ² 126.2 ³ 122.4R ¹ 242T ¹
Gnd Con 121.9		
Radar Services:		
Long Beach App Con	124.2	135.8 110.3T
Long Beach Dep Con	127.2	
ASR	Rwys 7L, 12, 16R, 25R, 30	Ceil 500 Visby 1 mi Min Alt 558
ILS 110.3 I-LGB Apch Brdg 300° LOM 233/LG		
VHF/DF available, contact Tower.		

CALIFORNIA—Continued

(L) BVORTAC 115.7/LGB 274° 4.4NM to Ad

Remarks: ¹For all left runways. ²For all right runways. VOT: 109.0.

LOS ANGELES INTL IFR 95W FSS: LOS ANGELES on Flg 126 H120/7R-25L(4) (S-100, T-180, TT-340)

BL4,6,8A,9,10,11 S5 F5, JP1, JP4 U2 DT2 VASI: Rwy 7R RVR: Runways 6, 24, 7R/L RVR: Rwy 25L REIL Rwy 7L, 7R

Remarks: Rwy 34 threshold displaced 1679' N. Runways 25L, 25R thresholds displaced 600' W. Rwy 16-34 (S125 T200+ TT400+).

Tower 118.9 125.8 123.7¹ 122.7R Gnd Con 121.6 121.8
Climc Del 126.05 121.4

ATIS: 108.5

Radar Services:

App Con 124.9² 124.5³ 113.6T 110.8T 109.9TDep Con 125.2² 124.3³

Tfc Info ctc App Con 30 mi out.

PAR Rwy 25L Ceil 200 Vsby ½ mi Min Alt 326.

JLS⁴ 109.9 I-LAX Apch Brg 248° LOM: 266/LA

VHF/DF avail, ctc twr.

(H) BVORTAC 113.6/LAX at Ad.

RBn SABH 3320/LAX 245° 3.4 NM to Ad.

Remarks: ¹Heli Operns. ²035-224° ³225-044° ⁴Glide slope unusable below 300' MSL. VOT: 112.0.

LOS ANGELES (VAN NUYS)

SVAN NUYS IFR 3NW FSS: LOS ANGELES (DL)

800 H80/16R-34(2) (S-70, T-120, TT-210) BL5,11 S5 F4 JP1, JP4, JP5 U2 DT2 REIL: Rwy 16R

Remarks: Rwy 16R threshold displaced 1376' S. 6624' avbl lndg rwy 16R. Rwy 16L-34R daylgt use only. Rwy 16L threshold displaced 1432' S. 2568' avbl lndg rwy 16L. Parallel 2000' strip bet 16L-34R and 16R-34L clsd except emerg.

Tower 120.3² 119.3³ 126.2 122.5R Gnd Con: 121.7ATIS: ¹ 113.1

Radar Services:

Burbank App Con 120.9

Burbank Dep Con 118.4

(L) VOR 113.1/VNY on Ad.

Remarks: ¹Oper 0600-2200 lcl time. ²360-149° and departure rwy 16L-34R. ³150-359° and departure rwy 16R-34L.

VOT: 109.0

LOS BANOS (L) BVOR 112.6/LSN FSS: FRESNO

MARYSVILLE (T) BVOR 110.8/MYV FSS: MARYSVILLE

MATHER (L) VORW 114.6/MHR FSS: SACRAMENTO

MAXWELL (L) BVORTAC 110.0/MXW FSS: MARYSVILLE

McCLELLAN RBn MHW 395/MCC FSS: SACRAMENTO

MODESTO

SCITY-COUNTY IFR 2 SE FSS: STOCKTON (DL)

96 H50 (2) BL4 S5 F4 DT2

Remarks: Rgt tfc runways 11R, 29R.

Tower¹ 120.0 122.7R Gnd Con 121.7

Modesto (T) BVOR 108.4/MOD

Remarks: ¹Oper 1400-0600Z.

MONTAGUE RBn BH 382/SIY FSS: MONTAGUE

SMONTEREY PENINSULA IFR 3SE FSS: SALINAS (DL)

220 H50/10-28(2) (S-40, T-70, TT-120) BL5,6,8A,9 S5 F5, JP1 U2 DT2

Remarks: Rwy 28 has downgrade 1½ percent. Lndg aft non-reversible props ctn during hours of darkness.

Monterey Tower 119.9 122.5R 281T Gnd Con 121.9

Monterey App Con 120.8

CALIFORNIA—Continued

Monterey Dep Con 120.8

ILS¹ 110.1 I-MRY Apch Brg 096° LOM:² 281/MRRemarks: ¹Unusable b/t LMM and apch end rwy. ²LOM unusable beyond 6NM 130-150°.

SNAPA COUNTY 5S

FSS: OAKLAND (DL)

33 H53/18-36(2) BL4 S5 F4 DT2

Tower¹ 118.8 122.7R Gnd Con 121.7

(L) BVORTAC 112.1/APC

Remarks: ¹Oper 1500-0700Z

NEEDLES (H) BVORTAC 115.2/EED

FSS: NEEDLES

NORTON LI VORW 117.6/SBD

RBn MHW 347/BD

OAKLAND

SMETROPOLITAN-OAKLAND INTL IFR 4S FSS: OAKLAND on Flg

6 H100/11-29(4) (S-100, T-160, T-290) BL6,8A,9,14,15 S5

F5, TP1, JP4 U2 DT2 RVR: Rwy 27R RVR: Rwy 29

Remarks: Rwy 33 threshold displaced 2113' N. Rgt hc runways 27R, 9R, 33 & 11.

Oakland Tower 118.3 126.0 122.6R 116.8T

Climc Del 126.6 121.1

Gnd Con 121.9 121.6

Radar Services: (BCN)

Oakland App Con 118.1¹ 116.8T 120.9²

Oakland Dep Con 124.7

Tfc Info Call App Con 25 mi out.

PAR⁴ Rwy 29 Ceil 200 Vsby ½ mi Min Alt 206

ASR Rwy 11, 29 Ceil 400 Vsby 1 mi Min Alt 406.

ILS 108.7 I-OAK Apch Brg 293° BC unusable LOM: 266/IN 109.9³ I-OAK Apch Brg 275° BC unusableVHF/DF⁵ available, contact Tower.

Oakland (H) BVORTAC 116.8/OAK 095° 1.3NM to Ad.

Oakland RBn SABH 3620/OAK on flg.

Remarks: ¹271-090° 090-270° ²Unusable below 6000' MSL 360-050°, beyond 20 NM. ³Radar monitoring of instrument apchs only at pilot's request. ⁴Glide slope rwy 27 unusable for auto apchs. VOT: 108.0.

OCEANSIDE (H) BVORTAC 115.3/OCN

FSS: SAN DIEGO

ONTARIO INTL IFR 2E

FSS: ONTARIO on Flg

952 H100/7-25(2) (S80, T120, TT220) BL6,8A,9 S5 F5, JP1 JP4

U2 DT2 RVR: Rwy 25

Remarks: Rwy 7 threshold displaced 1000' on W end. 1000' overrun E end rwy 7-25.

Tower 118.5 122.5R

Gnd Con 121.9

Climc Del 120.6

Radar Services: (BCN)

March App Con 120.8 122.5R 111.4T

March Dep Con 125.5 122.5R

ILS 109.7 I-ONT Apch Brg 255° LOM: 227/OM

(H) BVORTAC¹ 112.2/ONT

OXNARD (L) VORTAC 111.2/OAF

FSS: SANTA BARBARA

OXNARD

VENTURA COUNTY IFR 1W FSS: SANTA BARBARA (DL)

43 H59/7-25(1) (S-36, T-48 TT-75) BL4,11 S5 F4, JP4

DT2 REIL rwy 25.

Remarks: Rwy 25 threshold displaced 1377' W. 4570' avbl lndg rwy 25. Rwy 7 threshold 750' E. 5197' avbl lndg rwy 7.

Tower 120.7 122.4R

Gnd Con. 121.9

Oxnard App Con 124.7 122.5R

Oxnard Dep Con 124.7

Ventura (L) BVORTAC 108.2/VTU

Remarks: ¹Oper 1400-0600Z.

CALIFORNIA—Continued

PALMDALE (H) BVORTAC	114.5/PMD	FSS: PALMDALE
PALM SPRINGS (L) BVOR	115.5/PSP	FSS: THERMAL
PARKER (H) BVORTAC	117.9/PKE	FSS: BLYTHE
PASO ROBLES (L) BVORTAC	114.3/PRB	FSS: PASO ROBLES
POINT REYES (L) BVOR	113.7/PYE	FSS: OAKLAND
POMONA (L) BVORTAC	110.4/POM	FSS: ONTARIO
PORTERVILLE (L) BVOR	109.2/PTV	FSS: BAKERSFIELD
PRIEST (L) BVORTAC	110.0/ROM	FSS: PASO ROBLES
RED BLUFF (H) BVORTAC	115.7/RBL	FSS: RED BLUFF
RBN SABH	338/RBL	

REDDING (L) BVOR	108.4/RDD	FSS: RED BLUFF
RIVERSIDE MUNI IFR	4SW	FSS: ONTARIO (DL)
816 H46/9-27(2)	BL5, 11 S5 F4 U2 DT2	
Remarks: Rolling. Indgs to S prohibited on N/S rnwy.		
Tower ¹	121.0 122.6R 124.5	Gnd Con 121.7
VFR ADV Ctc March App Con 120.8 122.5R/Dep Con 125.5 122.5R		
(L) VOR	111.4/RAL	
Remarks: ¹ Oper 1400-0600Z.		

SACRAMENTO MUNI IFR	35W	FSS: SACRAMENTO on Fld
21 H40/2-20(3)	(S-90, T-120, TT-180)	BL4,6,12 S5
F4, TP-1	U2 DT2	RVV: Rnwy 2
Remarks: Rnwy 16 apch restricted by antenna-glide angle 12 to 1. 2500' apch lgtg.		
Tower	119.5 122.5R	Gnd Con 121.9
Radar Services: (BCN)		
App Con	119.1 125.2	121.0 122.5R
Dep Con	124.5	
VHF/DF avail ctc FSS.		
ILS	110.3 1-SAC	Apch Brg 016°
(H) BVORTAC	115.2/SAC	016° 4.4 NM to fd.

SALINAS (H) BVORTAC	117.3/SNS	FSS: SALINAS
SALTON SEA RBN HW 407/NJ2		
SAN CLEMENTE IS RBN MH 350/NZZ		
SAN DIEGO (H) BVORTAC 117.8/SAN		

SAN DIEGO		
MONTGOMERY FLD	6N	FSS: SAN DIEGO (LC 296-3181)
423 H34/10-28(2)	(S30- T-, TT-)	BL4 S5 F4 U2 DT2
Remarks: Rgt Hc rnwy 5, 10. Unattended nglts—keep rnwy lghts in sight during ngt Indgs.		
Tower ¹	119.2 122.6R	124.5 Gnd Con 121.9
Remarks: ¹ Oper 1500-0700Z.		

SAN DIEGO CO-GILLESPIE FLD	10NE	
FSS: SAN DIEGO (LC 296-3181)		
385 H53/9-27(2)	(S-67, T-113, TT-)	BL4 S5 F4 U2 DT2
Remarks: Rgt Hc rnwy 9. Rnwy 27 threshold displaced 1300' W. 4040' avbl Indg rnwy 27. Rnwy 17-35 closed to acft over 12,500 lbs GWT. Displaced threshold 405' S rnwy 17, 705' N rnwy 35.		
Gillespie Tower ¹	120.7 122.7	Gnd Con 121.7
Remarks: ¹ Oper 0700-2300 lcl time		

SAN DIEGO INTL-LINDBERGH FLD IFR	2W AOE	
FSS: SAN DIEGO on Fld		
15 H87/9-27(2)	(S-100, T-200, TT-400)	BL5,6,8A,9,11
S-5	F5, JPI	U2 DT2
Remarks: Rnwy 27 threshold displaced 600' W. 8100' avbl Indg rnwy 27. Unless otherwise instructed after Hoff on rnwy 27, turn rgt to 315° mag for noise abatement purposes. Ctc twr for preferential rnwy sys under VFR conditions.		

CALIFORNIA—Continued

Tower	118.3 122.5R	109.6T	Gnd Con 121.7
Radar Services: (BCN)			
San Diego App Con	119.6	127.7	125.7 ¹ 125.3 ²
122.7R	110.9T		
San Diego Dep Con	125.7 ³	125.3 ⁴	
Tfc Info Ctc App Con over Cardiff, Barrett Lake, Mexico Border or 20 NM West.			
ASR	Rnwy 9 Ceil 700	Vsby 2 mi Min Alt 715	
ILS	110.9	I-SAN Apch Brg 092°	LOM: 278/SA
Lindbergh (L) BVOR	109.6/LIF on fd.		
Remarks: ¹ East arrival. ² West/Northwest arrival. ³ East departure. ⁴ West/Northwest departure. VOT: 109.0			

\$SAN FRANCISCO INTL IFR	8 SE	FSS: OAKLAND (DL)
12, H97(10L-28R) (4)	(S-200, T-200, TT-400)	BL6,8A,9,10,11,12
S-5	F5, JPI	U2 DT2
VASI: Rnwy 19L RVV: Rnwy 19 RVR: Rnwy 28R		
Remarks: Rnwy 28R displaced threshold 200' NW. 9496' avbl Indg rnwy 28R. Rnwy 1R displaced threshold 1100' NE. 8400' avbl Indg rnwy 1R. REIL N end rnwy 19L and E end rnwy 28L inop.		
Tower	120.5 122.7R	Gnd Con 121.8
\$Cirrus Del	121.4	
ATIS:	111.2	
Radar Services:		
App Con	124.9 ¹	119.3 ² 111.2T 109.5T
Dep Con	124.4	128.5
PAR ³	Rnwy 28R	Ceil 200 Vsby ½ mi Min Alt 212.
ASR	Rnwys 28L, 28R	Ceil 400 Vsby 1 mi Min Alt 412.
Rnwys 19L, 19R	Ceil 500	Vsby 1 mi Min Alt 512
ILS	109.5 I-SFO	Apch Brg 281° LOM: 379/SF
VHF/DF available, contact tower.		
(L) VOR	111.2/SFO at fd.	
RBN MHW	275/SIA	191° 0.6 to rnwy 19L.
Remarks: ¹ 315-134°, ² 135-314°. ³ Radar monitoring of instrument apchs only at pilot's request. VOT: 111.0 unusable in ramp area adj to concourse.		

SAN FRANCISCO GAP RBN MHW	332/SFG	FSS: OAKLAND
\$SAN JOSE MUNI IFR	2 NW	FSS: OAKLAND (DL)
56 H78/12R-30L (2)	(S-100, T-130, TT-210)	BL6,8A,9 S5 F5, JPI
U2 DT2	RVV: Rnwy 30L	
Remarks: Rnwy 30L threshold displaced 1475' NW. 6312' avbl Indg rnwy 30L. Twr unable to see NE Hc patn.		
Tower	120.7 122.4R	Gnd Con 121.7
Radar Services: (BCN)		
Moffett App Con	120.1 123.7	122.4R 110.9T 108.2T
Moffett Dep Con	121.3	122.4R 108.2T
Tfc Info	Ctc Moffett APP CON on 120.1	25 mi out.
ASR	Rnwy 30L Ceil 600	Vsby 1 mi Min Alt 656. Rnwy 12R Ceil 400 Vsby 1 mi Min Alt 456.
ILS	110.9 I-SJC	Apch Brg 302°
(L) VOR	108.2/SJC	on fd.

SAN LUIS OBISPO (L) BVORTAC	112.4/SBP	FSS: PASO ROBLES
SANTA ANA		
\$ORANGE COUNTY IFR	4 S	FSS: LOS ANGELES (DL)
53 H57/IL-19R(2)	(S-68, T-95, TT-170)	BL4,6 S5 F4, JPI
U2 DT2	Tower ¹ 119.9 123.8 ² 122.5R	124.5 Gnd Con 121.7
Radar Services: (BCN)		
El Toro App Con	121.3 134.1	124.1x 122.5R 108.8T
El Toro Dep Con	121.3	
Santa Ana (L) VOR	108.8/SNA	at fd.
Remarks: ¹ Oper 1400-0700Z. ² For pattern to the W for long rnwy.		

CALIFORNIA—Continued

SANTA BARBARA MUNI IFR 7 W FSS: SANTA BARBARA on fld
14 H47/7-25 (3) (S-40, T-71, TT-117) BL4,6,8A,9 S5 F5,
JP1, U2 DT2 RVR: Rwy 7
Remarks: Apch lghts 2900' long. Rwy 25 overrun unltd.
Rwy 25 threshold displaced 296' W, 4420' avbl lndg rwy 25.
Tower 119.7 122.7R 110.3T Gnd Con 121.7
App Con 125.4
ILS 110.3 I-SBA Apch Brg 073°
(H) BVORTAC 114.9/SBA 198° 5.6 NM to fld

SANTA CATALINA (L) BVOR 111.6/SXC FSS: LOS ANGELES

SANTA MARIA (T) VOR 109.0/SMX FSS: SANTA BARBARA

SANTA MONICA MUNI IFR 3 E FSS: LOS ANGELES (DL)
175 H50/3-21 (1) S-80, T-120, TT-220) BL4,10,11 S5 F5,
JP1 JP5 U2 DT2 REIL: rwy 21 VASI: rwy 21

Remarks: Single eng acft of 1000 or more horsepower prohibited
except by prior apvl. Gen avia fee after free first 6 hrs. Rgt
tfc rwy 3. Overngt tie down FEE only.

Tower¹ 120.1 122.6R 121.5 Gnd Con 121.9

Radar Services:
Los Angeles App Con 124.9³ 124.5³ 113.6T 109.9T
Los Angeles Dep Con 124.3¹ 125.2²

(L) VOR 110.8/SMO at fld.

Remarks: ¹045°-225°, ²225°-044° VOT: 110.2 ³Oper 0700-
2300 lcl time. VOT unusable S side of rwy 3 from apch end
to a point 800' NE.

SANTA ROSA

SONOMA COUNTY IFR 6 NW FSS: UKIAH (DL)
125 H50/14-32(2) (S-80, T-130, TT-220) BL4 S5 F4 DT2

Tower¹ 118.5 122.5R Gnd Con 121.9

(L) VOR 109.4/STS at fld.

Remarks: ¹Oper 0600-2200 lcl time.

SAUSALITO (L) BVORTAC 110.4/SAU FSS: OAKLAND

STOCKTON METROPOLITAN IFR 3S FSS: STOCKTON on fld
27 H86/11L-29R(4) (S-100, T-200, TT-400) BL6 S5 F4 TPI
U2 DT2

Tower 120.3 122.5R Gnd Con 121.9

Radar Services:

App Con 125.1 116.0T 109.1T
ILS 109.1 I-SCK Apch Brg 291° BC unusable LOM: 271/SC
Stockton (M) BVORTAC 116.0/SCK 304° 4.0 NM to fld.

TAHOE VALLEY

LAKE TAHOE 2SE FSS: SACRAMENTO (DL)
6263 H85/18-36(1) BL4 F4 U2 DT2

Remarks: Surrounded by mtns. Tiedowns avbl. Rgt tfc rwy 6.

Tower¹ 119.0 122.5R Gnd Con 121.9

Lake Tahoe (L) BVOR 113.2/LTA

Remarks: ¹Oper 0700-2300 lcl time

THERMAL (H) BVORTAC 116.2/TRM FSS: THERMAL

STORRANCE MUNI IFR 3 SW FSS: LOS ANGELES (DL)
101 H50/11L-29R(2) (S-30, T-50, TT-80) BL4 S5 F4 U2
DT2

Remarks: Both ends rwy 11L-29R displaced thresholds 550'.
4450' avbl lndg both directions rwy 11L-29R. Rwy 11R-29L
open 6 am to 10 pm. Rwy 11L-29R and perimeter twy only
ltd 10 pm to 6 am.

Tower¹ 118.1 122.7R 121.5 Gnd Con 121.7

Radar Services:

Los Angeles App Con 124.9³ 124.5³ 113.6T 109.9T
Los Angeles Dep Con 125.2¹ 124.3²
Long Beach Dep Con 127.2

Remarks: ¹Oper 0600-2200 lcl time. ³045°-224°. ³225-044°.

TRAVIS (L) VOR 116.4/SUU FSS: SACRAMENTO

CALIFORNIA—Continued

TWENTY NINE PALMS (L) BVORTAC 114.2/TNP FSS: THERMAL

UKIAH (H) BVORTAC 112.3/UKI FSS: UKIAH

VANDENBERG (L) VOR 111.8/VBG FSS: SANTA BARBARA

VISALIA (T) VOR 109.4/VIS

WILLIAMS (L) BVORTAC 114.4/ILA FSS: MARYSVILLE

WOODSIDE (L) BVORTAC 111.4/OSI FSS: OAKLAND

COLORADO

AKRON (L) BVORTAC 114.4/AKO FSS: AKRON

ALAMOSA (H) BVORTAC 113.9/ALS FSS: TRINIDAD

COLORADO SPRINGS

SPETERSON FIELD IFR 6 SE FSS: DENVER (LC 634-3127)

6172 H110/17-35(3) (S-100, T-200, TT-400) BL4,6,8A,9 S5 F5,
JP1, JP4 DT2 RVR: Rwy 35 VASI: Rwy 30, 35

Remarks: Jet arresting barrier and arresting gear rwy 12, 17-35.
1000' overrun each end rwy 17-35.

Tower 119.9 122.5R Gnd Con 121.7

Radar Services:

Colorado Springs App Con 118.5 122.5R 109.9T

Colorado Springs Dep Con 120.2

Tfc Info Ctc APP CON 20 mi out.

PAR Rwy 35 Ceil 200 Vsby ½ mi Min Alt 6372

ASR Rwy 17, 21, 30, 35 Ceil 500 Vsby 1 mi Min Alt 6672

ILS 109.9 I-COS Apch Brg 347° LOM: 407/CO

Colorado Springs (L) BVORTAC 112.5/COS 192° 9 NM to fld.

Colorado Springs RBn MHW 407/CO 347° 3.3 NM to fld.

VHF/DF available, contact tower.

Remarks: ¹Coverage 30 nmi at MEA except 24 nmi 340-055°
and 15 nmi 245-270° from facil. LOM is MHW.

CORTEZ (L) BVOR 108.4/CEZ FSS: FARMINGTON

DENVER

STAPLETON INTL IFR 4 E FSS: DENVER on Fld

5331 H115/17-35(3) (S-120, T-200, TT-350) BL4, 6, 8, 9, 10, 11,
14, 15 S5 F5, JP1 U2 VASI: Rwy 8R, 17

RVR: Rwy 17, 35 REIL: Rwy 17.

Remarks: Twr unable to determine whether acft are on correct
final apch to rwy 8L-8R and 26L-26R.

Denver Tower 118.3 126.9 119.5 122.5R Gnd Con 121.9

*Climc Del: 121.8

ATIS: 110.3

Radar Services:

Denver App Con 119.3¹ 126.9 122.5R 120.5² 116.3T

108.1T

Denver Dep Con 124.8 126.9

Tfc Info Ctc App Con 20 mi out.

ASR Rwy 8, 17, 26L, 35 Ceil 500 Vsby 1 mi Min Alt 5831

ILS 110.3 I-DEN Apch Brg 257° LOM: 362/DE

108.1 I-SPO Apch Brg 350° LMM: 210/PO

VHF/DF available, contact tower.

Denver (M) BVORTAC 116.3/DEN 214° 8.1NM to Ad.

Remarks: ¹270°-089°. ²090-269°. VOT: 111.0

DOVE CREEK (L) BVORTAC 114.4/DVC FSS: FARMINGTON

DURANGO (L) BVOR 108.2/DRO FSS: FARMINGTON

ENGLEWOOD RBn H-SAB 3790/EWD FSS: DENVER

GILL (L) BVOR 108.8/GLL FSS: DENVER

GRAND JUNCTION

WALKER FIELD IFR 3NE FSS: GRAND JUNCTION on Fld

4857 H75/11-29(2) (S-60, T-80, TT-120) BL2,4,5,6,11,12
S5 F4 JP1 TP1 U2 REIL: Rwy 11, 29

COLORADO—Continued

Tower 118.1 122.5R	Gnd Con 121.9
Grand Junction App Con 119.7 122.5R 112.4T 110.3T	
ILS ¹ 110.3 I-GJT Apch Brg 110°	
Grand Junction (H) BVORTAC 112.4/GJT 061° 13.0 NM to Ad.	
Grand Junction RBn ² MHW 396/GJT 110° 9.3NM to Ad.	
Remarks: ¹ Glide slope unusable 5158' and from 3/4 NM to rnwy threshold. ² Usable for apchs and transitions to apch only.	
GUNNISON (H) BVORTAC 114.9/GUC FSS: GRAND JUNCTION	
HUGO (L) BVOR 108.4/HGO FSS: LA JUNTA	
KIOWA (L) BVORTAC 114.2/IOC FSS: DENVER	
KREMMLING (H) BVORTAC 113.8/RLG FSS: EAGLE	
LAMAR (H) BVORTAC 116.9/LAA FSS: LA JUNTA	
LOWRY (L) VOR 112.7/LRY FSS: DENVER	
MEEKER (L) BVORTAC 111.8/EKR FSS: EAGLE	
PETERSON (L) VORW 109.0/PEF FSS: DENVER	
PUEBLO MEML IFR 5E FSS: PUEBLO on Fld 4725 H85/7-25(3) (S-100, T-130, TT-200) BL4,6,8A,9 SS FS JP1 RVV: Rwy 7	
Remarks: Adft not visible from twr at junction of downwind and base legs rnwy 25 middle of rnwy 12-30.	
Tower 119.1 126.2 122.5R Gnd Con 121.9	
App Con 120.1 116.7T	
ILS 109.5 I-PUB Apch Brg 075° LOM: 302/PUB	
(H) BVORTAC 116.7/PUB 248° 2.4NM to Ad.	
RBn MHW 373/PCX 255° 6NM to Ad.	
THURMAN (L) VORW 112.9/TXC FSS: AKRON	
TOBE (L) BVORTAC 115.8/TBE FSS: TRINIDAD	
TRINIDAD RBn SABH 329•/TAD FSS: TRINIDAD	

CONNECTICUT

\$BRIDGEPORT MUNI IFR 3SE FSS: WINDSOR LOCKS (LC ED 5-6097)	
9 H47 (11-29(3)) (S-36.5, T-55.5, TT-) BL5,6 SS FS JP1, JP4 U2 DT2	
Remarks: Apch to rnways 16, 29 blkd by trees.	
Tower 120.9 122.5R 108.8T Gnd Con 121.9	
Westchester App Con 121.2 122.5R 3023.5Rx	
(L) VOR 108.8/BDR on fld.	
GROTON (T) BVOR 108.4/GON FSS: PROVIDENCE, R.I.; CS/T RBn MHW 245/GON	
Remarks: Oper by State.	
HARTFORD (L) BVOR 114.9/HFD FSS: WINDSOR LOCKS RBn SBMHz 329/HFD	
MADISON (L) BVORTAC 111.4/MAD FSS: WINDSOR LOCKS	
NEW HAVEN (T) BVOR 110.0/HVN FSS: WINDSOR LOCKS	
NORWICH (L) BVORTAC 109.8/ORW FSS: PROVIDENCE	
PUTNAM (L) BVORTAC 113.8/PUT FSS: WORCESTER	
WINDSOR LOCKS	
\$BRADLEY FIELD IFR 3W FSS: WINDSOR LOCKS on fld. 173 H95/6-24(3) (S-157, T-200, TT-400) BL5,6,8A,9,10 SS FS, JP4,5 U2 DT2 VASI: Rwy 33	
Remarks: Rwy 6-24 A-Gear both ends.	
Tower 120.3 126.2 122.5R Gnd Con 121.9	
Radar Services:	
App Con 119.4 124.6 122.5R	
Dop Con 125.35	
ASR Rwy 1, 19, 24, 33 Ceil 400 Vsby 1 mi Min Alt 573	

CONNECTICUT—Continued

ILS 110.3 I-BDL Apch Brg 058° LOM: 388/BD
Remarks: Glide slope rnwy 6 unusable below 373'.

DELAWARE

DOVER (T) VOR 108.4/DOV FSS: MILLVILLE	
Remarks: Unrel 035-065° beyond 20NM	
KENTON (L) BVORTAC 116.8/ENO FSS: MILLVILLE	
WATERLOO (L) BVOR 112.6/ATR FSS: SALISBURY	
WILMINGTON	
\$GREATER WILMINGTON IFR 4S FSS: MILLVILLE (LC 652-5419) 79 H70/1-19(4) (S-200, T-300, TT-500) BL4,6,8A,9 SS F4, JP1 U2 DT2	
Remarks: ILS apch zone rnwy 1 has penetrations in the 50.1 plane. Rwy 5-23 clsd acft over 12,500 lbs.	
New Castle Tower 120.3 122.5R 110.3T Gnd Con 121.9	
New Castle App Con 125.0 110.3T	
ILS 110.3 I-ILG Apch Brg 014° BC unusable LOM: 248/IL VHF/DF available, contact tower.	
New Castle (L) BVORTAC 114.0/EWT 067° 0.5 nmi to Ad.	

DISTRICT OF COLUMBIA

GEORGETOWN RBn MHW 323/GTN	
WASHINGTON	
\$DULLES INTL IFR 21W FSS: WASHINGTON (DL) 313 H115/(IL-19R)(3) (S-200, T-290, TT-500) BL6,8A,9,10,14,15 SS FS,JP1,JPS U2 DT2 VASI: Rwy 12 RVR: Rwy 1R, 19L, 19R	
Remarks: RVR rwy 1R avail apch and roll out.	
Tower 120.1 122.7R Gnd Con 121.9	
\$Cirrc Del 127.4	
Radar Services: (BCN)	
App Con 119.2 126.1	
Dop Con 125.55	
PAR ¹ Rwy 1R Ceil 200 Vsby 1/2 mi Min Alt 513	
ASR Rwy 1R, 1L, 12, 19R, 19L Ceil 400, Vsby 1 mi, Min Alt 713 Rwy 30 Ceil 500, Vsby 1 mi, Min Alt 813	
ILS 111.3 I-DLX Apch Brg 186° LMM 266/LX 109.3 I-DIA Apch Brg 006° LOM 346/DI	
Remarks: ¹ Radar monitoring of instrument apchs only at pilot's request.	
\$WASHINGTON NATIONAL IFR 3S FSS: WASHINGTON on fld 15 H69/18-36(3) (S-100, T-200, TT-400) BL4,6,8A,9,10,11,14,15 SS FS,JP1 U2 DT2 VASI: Rwy 15 RVR: Rwy 18, 15 RVR: Rwy 36 REIL Rwy 15, 33, 3, 21, 18	
Remarks: Very limited parking. Caution turbulence apch ends rnways 21, 33 and 36.	
Tower 119.1 ¹ 122.5R Gnd Con 121.7	
\$Cirrc Del 127.7	
ATIS: 111.0	
Radar Services: (BCN)	
App Con 120.8 ² 134.1 ³ 127.0 122.5R 118.3 ¹ 109.9T	
Dop Con 118.1 ¹ 126.55 ³	
Tfc Info Cir Ap Con on 119.3	
PAR ⁴ Rwy 36 Ceil 200 Vsby 1/2 mi Min Alt 215	
ILS 109.9 I-DCA Apch Brg 003° BC unusable LOM: 332/DC VHF/DF available, control tower.	
Washington (L) VORTAC 111.0/DCA at Ad.	
Washington RBn H-SAB 332•/DC 001° 4.6 NM to Ad.	
Remarks: ¹ West ² East ³ Andrews Sector. Circling PAR avbl on 15 min notice durg VFR conditions. ⁴ Radar monitoring instrument apchs only at pilot's request. VOT: 108.2. LOM is H-SAB.	

FLORIDA

BISCAYNE BAY (L) BVOR	117.1/BSY	FSS: MIAMI
CECIL (L) VORW	108.2/NCZ	FSS: JACKSONVILLE
CRESTVIEW (H) BVORTAC	115.9/CEW	FSS: CRESTVIEW
RBn HW	350/CEW	
CROSS CITY (L) BVOR	112.0/CTY	FSS: GAINESVILLE
\$DAYTONA BEACH MUNI IFR	3SW	FSS: ORLANDO (LC255-4767)
34 H57/6-24(3) (S-60, T-80, TT-)	BL4,6,8A,9	
S5 F5, JP1 U2		
Remarks: Rgt Mc rnwy 6.		
Tower 120.7 126.2 122.5R	Gnd Con 121.9	
App Con 123.9 122.5R 112.6T 109.7T		
ILS 109.7 I-DAB Apch Brg 065° LOM: 263/DA		
(H) BVORTAC 112.6/DAB 156° 7.4NM to fd.		
DESTIN RBn HW	201/DES	FSS: CRESTVIEW
EGLIN (L) VOR	110.8/VPS	FSS: CRESTVIEW
EGMONT KEY RBn HW	310/H	
\$FT. LAUDERDALE-HOLLYWOOD INTL IFR	3SW AOE	
FSS: MIAMI (LC 524-0233)		
10 H74/9-27(3) (S-115, T-200, TT-400) BL4 S5 F5, JP1 U2		
Remarks: Rnwy 9-27 thresholds displaced 600' both ends 1045' AGL twr 7NM SSW.		
Ft Lauderdale Tower 119.3 122.5R 111.4T		
Gnd Con 121.7		
Radar Services: (BCN)		
Miami App Con 123.9 119.7		
Miami Dep Con 123.9 119.7		
Ft Lauderdale (L) BVOR	111.4/FLL	on fd.
Ft Lauderdale RBn MHW	242/FL 135°	4.5NM to rnwy 13.
FORT MYERS (L) BVORTAC	117.6/FMY	FSS: FORT MYERS
RBn BH	341/FMY	
FRANKLAND RBn MHW	368/FKD	FSS: TAMPA
GAINESVILLE (H) BVORTAC	116.2/GNV	FSS: GAINESVILLE
GREENVILLE (L) BVOR	109.0/GEF	FSS: TALLAHASSEE
HOLLYWOOD		
\$NORTH PERRY 5W		FSS: MIAMI (LC 524-0233)
9 H31/4-22(4) (Max-16) BL5 S5 F4 U2		
Remarks: Two way rdo required.		
Tower ¹ 121.3 122.4R		
Remarks: 'Oper 1200-0200Z.		
HOMESTEAD (L) VOR	108.2/HST	FSS: MIAMI
RBn MHW	221/HST	
HURLBURT RBn MH	242/HRT	FSS: CRESTVIEW
Remarks: Unmonitored 0500-1200Z.		
JACKSONVILLE		
\$IMESON IFR 5N		FSS: JACKSONVILLE on Fld
52 H79/5-23(3) (S-62, T-110, TT-200) BL4,6,12 S5 F5, JP4 U2		
RVV: Rnwy 5		
Remarks: Caution on ILS apchs. Brightly lighted bridge 1 1/4 mi SW of apch end of rnwy 5 could give false impression of being a rnwy during poor vis conditions. Rnwy 18-36 open for dalg VFR operns. 1500' apch lgt sys rnwy 5. Rnwy 9 threshold displaced 410' E, rnwy 12 displaced 335' W. Jet arresting gear rnwy 5-23.		
Jacksonville Tower: 118.3 126.2 122.5R 110.3T		
Gnd Con 121.9		
Radar Services: (BCN)		
Jacksonville App Con 119.0 126.2 122.5R 120.3 114.5T		
110.3T Jacksonville Dep Con 124.9 126.2		
Tfc Info: Ctc App Con on 119.0 25 mi out.		
ASR Rnwys 23, 27, 30 Ceil 400 Vsby 1 mi Min Alt 452.		
Rnwys 5, 9, 12 Ceil 500 Vsby 1 mi Min Alt 552		
ILS ¹ 110.3 I-JAX Apch Brg 045° BC unusable LOM: 221/JA		

FLORIDA—Continued

\$KEY WEST INTL IFR	2 E AOE	FSS: KEY WEST on Fld
4 H48/9-27(1) (S-30, T-40, TT-)	BL4 S3 F4	
Remarks: Fee for commercial and hired acft only. Rgt mc rnwy 9.		
Rnwy lghts on req after 0300 to Key West FSS.		
Tower ¹ 119.5 122.5R	Gnd Con 121.9	
Navy Key West App Con 118.7 122.5R		
VFR ADV Ctc Key West rdo 0300-1100Z		
(H) BVORTAC 113.5/EYW 128° 1.7NM to fd.		
RBn SBH 332/EYW 066° 1.2NM to fd.		
Remarks: 'Oper 0600-2400 lcl time.		
LA BELLE (L) BVOR	110.4/LBV	FSS: FORT MYERS
\$LAKE CITY MUNI 3 E		FSS: GAINESVILLE
202 H68/10-28(5) (S-75, T-140, TT-250)	*L S5 F4 U1	
Tower ¹ 126.2		
Remarks: 'Oper 1300-2130 Mon-Fri; Controls Military Traffic only.		
Bcn opers on prior arrangement.		
LAKELAND (H) BVORTAC	116.0/LAL	FSS: TAMPA (LC 682-3258)
MARATHON RBn HW	260/MTH	FSS: KEY WEST
MARIANNA (L) BVOR	114.0/MAI	FSS: DOthan
MELBOURNE		
\$JOHN F KENNEDY MEML IFR 2 NW	FSS: MELBOURNE on Fld	
32 H112/9-27(3) (S-85, T-145, TT-270)	BL4 S5 F4, JP5 U2	
Remarks: 9603' rnwy 9-27 available nghts, displaced threshold rnwy 27 1589'W		
Melbourne Tower ¹ 118.2 122.5R	Gnd Con 121.9	
Radar Services:		
Patrick App Con 118.4		
Patrick Dep Con 118.4		
Melbourne (L) BVOR	110.0/MLB	on fd.
Melbourne RBn HW	257/MLB 087°	2.1NM to fd.
Remarks: 'Oper 1145-0400Z daily.		
MIAMI		
\$MIAMI INTL IFR 8 NW AOE		FSS: MIAMI on Fld
9 H105/9L-27R (4) (S-200, T-200 TT-400)	BL4,6,8A,9,10 S5	
FS, JP1, JP5 VASI: Rnwy 12 RVV: Rnwys 9L, 27L		
Remarks: Fee. Clsd non engine acft.		
Tower 118.3 126.2 122.4R	Gnd Con 121.8	
\$Cirrc Del 127.5		
ATIS: 115.9		
Radar Services: (BCN)		
App Con 118.1 ¹ 120.5 ² 122.4R		
Dop Con 123.9 119.7		
Tfc Info Ctc Twr 20 mi out or remain above 2500'.		
ASR Rnwys 9L, 12, 27L, 27R Ceil 500 Vsby 1 mi Min Alt 509.		
Rnwys 9R, 30 Ceil 400 Vsby 1 mi Min Alt 409.		
ILS 110.3 I-MIA Apch Brg 087° LOM: 365/MF		
109.5 I-MIA ² Apch Brg 267° LOM: 248/MI		
VHF/DF available, contact tower.		
(H) BVORTAC 115.9/MIA 139° 13.2NM to rnwy 12		
RBn H-SAB 365 ³ /MF 087° 4.5NM to rnwy 9L.		
Remarks: '090°-269° '270°-089°, 1400' MSL rgrd durg apch to rnwy 27L, 27R & 30 til within 4.5 mi of end of rnwy of centerline extended. 'Glide slope rnwy 27 unusable below 175' MSL.		
VOT: 112.0 'LOM is H-SAB.		
SOPA LOCKA IFR 10 NW		FSS: MIAMI
9 H80/9L-27R(5) (S-96 T-155 TT-290)	BL4, 6, S5 F5, JP1, JP4	
Remarks: Displaced thresholds all rnwys except 9L-27R. 1045' TV twr 5 NM NNE. JP-1 fuel avbl on 1 hrs notice. Clsd to non-engine acft.		

FLORIDA—Continued

Tower ¹ 120.7 118.6 122.7R Radar Services: (BCN) Miami App Con 120.5 118.1 Miami Dep Con 123.9 119.7 Remarks: ¹ Oper 1100-0300Z.	Gnd Con 121.9
MIAMI 8 W 10 H38/14 32 (3) BL4 S5 F4 Remarks: Rgt tfc rnwys 9, 14. Clsd non-engine acft. TOWER 121.1 122.6R Gnd Con 121.7 Radar Services: Miami Dep Con 123.9 ¹ 119.7 ² Remarks: ¹ 270°-089° ² 090-269°. ³ Oper 1200-0400Z.	FSS: MIAMI
OCALA (L) BVORTAC 112.8/OCF	FSS: GAINESVILLE
ORLANDO	
SHERNDON IFR 3 E 113 H60/7-25(3) (S-90, T-160, TT-300) BL4,6,8A,9 S5 F5, JP1 RVV: Rwy 7 Remarks: NW-SE rnwy NW Indg 5178' avbl, SE 5010' avbl. Tower 118.7 126.2 122.5R 112.2T 109.9T Gnd Con 121.7 Climc Del 121.7 Radar Services: Orlando App Con 119.4 124.8 122.5R 109.9T Orlando Dep Con 121.1 Tfc Info Ctc App Con on 124.8 25 mi out. ASR Rwy 7, 13 Ceil 500 Vsby 1 mi Min Alt 613. Rwy 25, 31 Ceil 400 Vsby 1 mi Min Alt 513. ILS 109.9 I-ORL Apch Brg 067° LOM: 221/OR (H) BVORTAC 112.2/ORL on Ad.	FSS: ORLANDO on Flld
PAHOKEE (L) BVORTAC 112.4/PHK	FSS: WEST PALM BEACH
PANAMA CITY (L) BVOR 108.4/PFN	FSS: TALLAHASSEE
PENSACOLA MUNI IFR 3 NE 118 H50/16-34(2) (S-100, T-180, TT-320) BL4,6,8A,9 S3 F4, JP1 U2 RVV: Rwy 16 Remarks: Overnight tie-down fee. Tower 119.9 126.2 122.5R 109.5T Gnd Con 121.9 Radar Services: (BCN) App Con 123.9 ¹ 134.1 122.7R 119.0 ² Dep Con 119.0 ² 134.1 123.9 ¹ Tfc Info Ctc App Con on 119.0 when Eastbound or arriving fm the East 123.9 Westbound or arriving fm the West. ILS 109.5 I-PNS Apch Brg 163° LOM: 400/PN RBn H-SAB 326 ¹ /PNS 343° 1.8NM to Ad. Remarks: ¹ West ² East	FSS: PENSACOLA on Flld
PERRINE RBn HW 266/PRR	FSS: MIAMI
ST AUGUSTINE	
FAIRCHILD-ST AUGUSTINE 3N 10 H65/13-31(3) (S-30) BL4,6 S5 F5 Remarks: Rwy 2-20 and 6-24 clsd to acft over 12,500 lbs when tfr not in opern. TOWER 126.2 123.1 122.5R Remarks: ¹ Oper 1230-2115Z Mon-Fri.	FSS: JACKSONVILLE
ST. PETERSBURG	
WHITTED 2E 7 H33(2) (S60, T105, TT 190) BL4 S3 F4 JP4 U2 Tfc Info: See Tampa Int'l Remarks: Rgt tfc rnwys 6, 36. TOWER 120.4 122.4R Gnd Con 121.8 Remarks: To be comsnd June 1. Opers 0600-2200.	FSS: TAMPA (DL)
ST PETERSBURG-CLEARWATER INT'L IFR 8N 10 H80/17-35 (3) (S-95, T-155, TT-200) BL4,6,8A,9 S5 F5, JP4 U2 RVV: Rwy 17 Remarks: Rwy 4-22 clsd to night ops UFN.	FSS: TAMPA (LC 446-1168)

FLORIDA—Continued

Tower 118.3 122.7R Radar Services (BCN) Tampa App Con 119.5 125.3 122.5R 118.5 116.4T 116.0T 108.4T Tampa Dep Con 126.5 ILS ¹ 109.1 I-PIE Apch Brg 170° LOM: 240/PI St Petersburg (L) BVORTAC 116.4/PIE at Ad. Remarks: ¹ Glide slope unusable below 110'.	Gnd Con 121.9
SANFORD NAS RBn SH 408/NRJ	FSS: ORLANDO
SARASOTA-BRADENTON IFR 3 N 24 H50/13-31(3) S-62, T-110, TT-190) BL4,6 S5 F5, JP1 U2 Remarks: Rwy 9-27 and all perimeter twys clsd to acft in excess 12,500 lbs.	FSS: TAMPA (DL)
SAUFLEY (L) BVOR 108.8/NUN	FSS: PENSACOLA
STALAHASSEE MUNI IFR 4 SW 81 H61/18-36(2) (S-80, T-150, TT-270) BL4,6,8A,9 S5 F4, JP4 U2 RVV: Rwy 36 Tower 118.7 126.2 122.5R Climc Del 121.9 App Con 118.1 122.5R 117.5T 110.3T Dep Con 118.1 ILS ¹ 110.3 I-TLH Apch Brg 358° LOM: 379/TL (H) BVORTAC 117.5/TLH RBn H-SAB 379 ¹ /TL 358° 4.1NM to Ad. Remarks: ¹ Glide slope unusable below 160' MSL. VOT: 111.0 LOM is HSAB.	FSS: TALLAHASSEE on Flld
STAMPA INT'L IFR 3 W AOE 27 H83/18L-36R(3) (S-90, T-150, TT-270) BL4,6,8A,9,14 S5 F5, JP1, JP4, JP5 RVV: Rwy 18L Remarks: Rwy 18R and 36R clsd to Indgs of all acft over 12,500 lbs GWT. Tower 119.9 126.2 122.5R 110.3T Radar Services (BCN) App Con 119.5 125.3 122.5R 118.5 116.0T 116.4T 108.4T Dep Con: 126.5 Tfc Info Ctc App Con within a 25 mi radius of MacDill AFB on 118.5. ILS ¹ 110.3 I-TPA Apch Brg 181° LOM: 251/TP RBn H-SAB 388 ¹ /AMP 001° 6.1NM to rwy 36 VHF/DF: avail ctc FSS Remarks ¹ Glide slope unusable below 150'. VOT: 111.0	FSS: TAMPA on Flld
TAYLOR (L) BVOR 113.8/TAY	FSS: VALDOSTA
TYNDALL (L) VOR 117.7/PAM	FSS: TALLAHASSEE
VERO BEACH (H) BVORTAC 117.3/VRB	FSS: VERO BEACH
WEST PALM BEACH	
PALM BEACH INT'L IFR 3 W AOE FSS: MIAMI (LC 832-5697) 19 H80/9-27(2) (S-85, T-400, TT-) BL4,6,8A,9 S5 F5 JP4 RVV: Rwy 9 Remarks: Rgt tfc rnwys 9 and 13. Tower 119.1 126.2 122.7R App Con 118.0 122.7R 115.5T 109.3T ILS ¹ 109.3 I-PBI Apch Brg 093° LOM: 356/PB Palm Beach (H) BVORTAC 115.5/PBI 095° 2.8NM to Ad. Palm Beach RBn HW 356/PB 090° 1.9 NM to Ad. Remarks: ¹ Glide slope unusable below 150'. VOT: 109.0 LOM is HW.	Gnd Con 121.9

FLORIDA—Continued

WHITTING NAAS (L) BVOR 113.0/NSE FSS: PENSACOLA
RBn MHW 368/NSE

GEORGIA

ALBANY (L) BVOR 112.9/ABY FSS: ALBANY
ALMA (H) BVORTAC 115.1/AMG FSS: ALMA
ATHENS (L) BVORTAC 109.6/AHN FSS: ANDERSON

ATLANTA

ATLANTA MUNI IFR 7SSW FSS: ATLANTA
1024 H100(9L-27R)(4) (S-100, T-170, TT-340) BL5,6,8A,9,10,11 S5 F5,
JP1 U2 RASI: Rwy 27R, 27L RVR: Rwy 9L, 9R¹, 33 REIL: Rwy 27R.

Remarks: Aprxly 2100' of W end rwy 9R-27L not visible from
tvr. TV towers 1042' (2049' MSL) 8.5 NM NE. 1076' (2049'
MSL) 7.5 NM NE. 1100' (2049' MSL) 10 nmi NE. Commercial Fee
only. ¹Avail for apch and roll out.

Tower 119.1 122.7R Gnd Con 121.9

*Climb Del 121.6 (Ctc 10 min prior taxing)

ATIS: 111.8 111.0

Radar Services: (BCN)

App Con 127.7 (N of V18N) 118.1 (S of V18N) 109.9T
109.3T 110.5T

Term Con 119.3 (S of V18N) 119.8 (N of V18N)

Dop Con 125.7

Tfc Info Inbd VFR acft ctc trml radar service 25NM out.

PAR ¹Rwy 9L Ceil 200 Vsby 1/2 mi Min Alt 1224.

ASR Runways 3, 27L, 27R, 33 Ceil 400, Vsby 1 mi, Min Alt 1424.
Runways 9L, 9R, 15 Ceil 500, Vsby 1 mi, Min Alt 1524.

ILS 109.9 I-ATL Apch Brg 089° BC unusable LOM: 375/AT
109.3 I-AZA Apch Brg 329° BC unusable LOM: 344/AZ
110.5 I-ALR Apch Brg 089° LOM: 254/AL

(H) BVORTAC 115.6/ATL 016° 8.1NM to fd.

RBn H-SAB 266¹/ATL 270° 4.7NM to rwy 27R.

Remarks: ¹Glide slope rwy 33 unusable below 1085' MSL.

²Radar monitoring of instrument apchs only at pilot's request.

VOT: 111.0

DEKALB-PEACHTREE IFR 8 NE FSS: ATLANTA

1002 H40/16-34(3) (Max 60) BL4,6,8, S5 F4, JP4 U2

Remarks: Ctl twr unable to see first 1000' rwy 2. TV towers
1042 (2049' MSL) 7.5NM SSW; 1076' (2049 MSL) 8NM SSW;
1100' (2049' MSL) 5NM SSW. Two unlitd 8' bldgs 480 NNE
intsn rwy 16-34 and 9-27, 160' E of rwy 16-34.

Peachtree Tower¹ 121.3² 122.5R Gnd Con 121.7

Radar Services:

Atlanta App Con 120.5 Atlanta Dop Con 123.8

Remarks: ¹Oper 1200-0400Z. ²To be replaced by 120.9 May 15.

FULTON COUNTY IFR 6W FSS: ATLANTA on Fld

839 H52/8-26(2) (S50, T-77, TT-) BL4, 11 S5 F5

REIL: Rwy 8.

Remarks: Towers 1042' (2049' MSL) 9 NM E. 1076' (2049'
MSL) 8NM E. 110' (2049' MSL) 9.5 NM E.

Tower¹ 118.5 120.7 122.6R 245T Gnd Con 121.7

Radar Services:

Atlanta App Con 120.5 Atlanta Dop Con 123.8

VHF/DF available, contact Atlanta area radio.

(L) BVOR 108.2/FTY on fd.

RBn MH 245/FTY on fd

Remarks: ¹oper 1200-0400Z.

AUGUSTA

BUSH FIELD IFR 6S FSS: AUGUSTA on Fld

145 H80-17-35(2) (S-150, T-200, TT-360) BL4,6,8A,9 S5

FS, JP1, JP4 U2

Remarks: 1506' (1862' MSL) twr 7NM ENE and 1292' (1677'
MSL) twr 7NM NE.

GEORGIA—Continued

Augusta Tower 118.7 126.2 122.5R 110.5T

Gnd Con 121.9

Augusta App Con 125.4 122.5R 113.9T 110.5T

ILS¹ 110.5 I-AGS Apch Brg 349° BC unusable LOM: 233/AG

Augusta (H) BVORTAC 113.9/AGS 141° 12.7NM to fd.

Augusta RBn HW 385/AGS 167° 4.9NM to rwy 17.

VHF/DF avail ctc CS/T.

Remarks: ¹Glide slope unusable below 245' MSL.

BLAKELY RBn MHW 365/BLG FSS: DOTHAN

BRUNSWICK (L) BVOR 109.8/SSI FSS: BRUNSWICK

COLUMBUS

\$MUSCOGEE COUNTY IFR 4NE FSS: ATLANTA

397 H50/5-23(2) (S-60, T-80, TT-) BL4,6 S5

F5, JPS U2

Remarks: Rwy 12-30 closed to ngt Indgs.

Tower 120.1 122.5R Gnd Con 121.9

ILS¹ 110.3 I-CSG Apch Brng 053° BC unusable LOM: 355/CS

Columbus (L) BVOR 117.1/CSG 148° 6.8NM to fd.

Remarks: ¹Glide slope unusable below 697'.

DOBBINS RBn HW 296/MGE

DUBLIN (L) BVOR 113.1/DBN FSS: MACON

GAY FARMS RBn MHW 329/GAY

GLYNCO RBn HW 275/NEA FSS: BRUNSWICK

HARRIS (L) BVOR 110.4/HRS

LA GRANGE (L) BVOR 109.4/LGC FSS: ANNISTON

LAWSON (L) VOR 111.4/LSF

RBn 335/AWS

Remarks: VOR inoperative UFN.

LIBERTY RBn MHW 263/HIN

LOST MOUNTAIN RBn HW 314/LSM

\$MACON MUNI IFR 9S FSS: MACON on Fld

354 H50/5-23(2) (S-30, T-50, TT-85) BL4,6,8A,9 S3

F5, JPI U2 RVV: Rwy 5

Tower 118.3 122.5R 109.5T Gnd Con 121.7

Radar Services: (BCN)

App Con 119.6 134.1 124.2 122.7R 114.2T 109.5T

Dop Con 124.8

ASR Runways 5, 13, 23 Ceil 500 Vsby 1 mi Min Alt 854.

ILS¹ 109.5 I-MCN Apch Brg 047° BC unusable LOM: 290/MC

(H) BVORTAC 114.2/MCN at fd.

VHF/DF available, contact Macon FSS.

Remarks: ¹Glide slope unusable below 450' MSL.

McDONOUGH (L) BVORTAC 113.6/MDU

MOULTRIE (L) BVOR 108.8/MGR

NORCROSS (L) BVORTAC 116.6/OCR

REX (L) VOR 111.8/REG

ROME (L) BVOR 115.4/RMG

RBn MHW 388/RMG

ROYSTON (L) BVOR 110.0/RYN

SAVANNAH

\$TRAVIS FIELD IFR 7NW FSS: SAVANNAH on Fld

50 H90/9-27(3) (S40-T60-TT-110) BL4,6,8A,9 S5

F4, JPS RVV: Rwy 9

Remarks: Rwy 27 threshold displaced 400'. Rwy 5-23 clsd
all acft in excess 12,500 lbs GWT. Jet barrier and arresting
gear rwy 9-27

Savannah Tower 119.1 126.2 122.5R 110.1T

Gnd Con 121.9

Radar Services: (BCN)

Savannah App Con 125.3 126.2 122.7R 121.1 112.7T

Savannah Dep Con 125.7

GEORGIA—Continued

ILS 109.9 I-SAV Apch Brg 092° LOM: 368/SA	Savannah (H) BVORTAC 112.7/SAV 246° 4.3NM to Ad.
Remarks: VOT: 111.0	
TOCCOA (L) BVOR 109.8/TOC	FSS: ANDERSON
VALDOSTA (L) BVOR 110.4/VLD	FSS: VALDOSTA
VIENNA (L) BVORTAC 116.5/VNA	FSS: MACON
WAYCROSS (L) BVORTAC 110.2/AYS	FSS: ALMA

IDAHO

\$BOISE AIR TERMINAL IFR 3S	FSS: BOISE on Fld
2858 H90 (10R-28L)(2) (S100, T-185, TT-300)	BL4,6,8A,9
S5 F5, JP1,4 U2 RVR: Rwy 10L	
Remarks: Rgt Hc rwy 10R, 28R. Jet barriers and arresting gear	
Rwy 10R-28L plus jet barriers with donut supported cable approx 1000' in from threshold lgs on rwy 10R-28L.	
Tower 118.1 122.5R Gnd Con 121.7	
App Con 118.9 113.3T	
ILS 109.9 I-BOI Apch Brg 096° LOM: 278/BO	
(H) BVORTAC 113.3/BOI on Ad.	
RBn SABH 3590/BOI 117° 2.1NM to Ad.	
BURLEY (L) BVORTAC 114.1/BYI	FSS: BURLEY
RBn SBH 272/BYI	
COEUR D' ALENE RBn HW 347/COE	FSS: SPOKANE
DUBOIS (H) BVORTAC 116.9/DBS	FSS: IDAHO FALLS

IDAHO FALLS

FANNING FIELD IFR 2NW	FSS: IDAHO FALLS on Fld
4739 H75/2-20(2) (S-30, T-90, TT-150)	BL5,6 S5 F4, JP5
Remarks: Rwy 20 threshold displaced 930' SW. 6600' avbl	
Indg rwy 20. Rwy 16 threshold displaced 655' S. 4495' avbl	
Indg rwy 16. Rgt Hc rwy 16 & 20.	
Tower ¹ 118.5 122.5R 278T Gnd Con 121.7	
Idaho Falls (L) BVOR 108.2/IDA on Ad.	
Idaho Falls RBn H-SABZ 3500/IDA 199° 2.2NM to rwy 20.	
VHF/DF available ctc FSS.	
Remarks: Oper 1300-0500Z.	

LEWISTON (L) BVOR 108.2/LWS	FSS: WALLA WALLA
MALAD CITY (H) BVORTAC 117.4/MLD	FSS: MALAD CITY
McCALL (H) BVORTAC 116.2/MYL	FSS: BOISE
MULLAN PASS (H) BVORTAC 117.8/MLP	FSS: MULLAN PASS
SPOCATELLO MUNI IFR 7NW	FSS: POCAHONTAS on Fld
4448 H82/3-21(3) (S30, T80, TT130)	BL5,6,9,12 S5 F4 JP1
U2 RVR: Rwy 21	
Remarks: 1500' sequence flashing lgs. Surface areas of runways	
7-25 and 16-34 are not visible from twr. However, acft on	
rwy surfaces are visible.	
Tower 119.1 122.5R Gnd Con 121.9	
ILS 110.3 I-PIH Apch Brg 208° LOM: 219/PI	
(L) BVORTAC 114.4/PIH 033° 3.1NM to Ad.	

TWIN FALLS (L) BVOR 115.8/TWF	FSS: BURLEY
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ILLINOIS

ALTON RBn MHW 263/ALN	FSS: ST. LOUIS
BELLEVILLE RBn MHW 362/BL	
BIBLE GROVE (L) BVOR 109.0/BIB	FSS: VANDALIA
BLOOMINGTON (L) BVOR 108.2/BMI	FSS: PEORIA
BRADFORD (H) BVORTAC 114.7/BDF	FSS: PEORIA
CAHAKIA RBn MHW 375/CPS	
Remarks: Non-federal facility.	

ILLINOIS—Continued

CAPITAL (H) BVORTAC 112.7/CAP	FSS: VANDALIA
CARBONDALE RBn BMH 248/MDH	FSS: CAPE GIRARDEAU
CENTRALIA (H) BVORTAC 115.0/ENL	FSS: VANDALIA
CHAMPAIGN	
\$UNIVERSITY OF ILLINOIS-WILLARD IFR 4SSW	
FSS: CHAMPAIGN on Fld	
753 H53/13-31(3) (S63, T90, TT170)	BL4 S5 F4
U2 DT2	
Remarks: Use rwy—turf usable by permission.	
Champaign Tower 120.5 122.5R	Gnd Con 121.9
Champaign App Con 119.8 122.5R 120.5 110.0T	
VFR ADV: Ctc App Con on 119.8.	
ILS 109.1 I-CMI Apch Brg 313° LOM: 407/CM	
Champaign (L) BVORTAC 110.0/CMI on Ad.	
CHANUTE (L) VORW 117.2/RAN	FSS: LAFAYETTE
RBn HWZ 281/RAN	
CHICAGO (West Chicago)	
\$DUPAGE COUNTY IFR 3NW	FSS: JOLIET (DL)
758 H40/10-28(3) (MAX-15)	BL4,9*,13 S5 F4 JP4 U2 DT2
Remarks: *Non-standard, 1000' down cntr-line. Rwy 5-23 clsd	
to all twin eng acft in winds below 15 kts.	
Tower ¹ 120.9 122.5R 342T	Gnd Con 121.7
Remarks: 'Oper 0600-2200 lcl time.	
CHICAGO	
\$MERRILL C MEIGS FIELD 1E	FSS: JOLIET (DL)
592 H39/18-36(1) (MAX 15)	BL6,11 F4 JP1 U2 DT2
REIL: rwy 36.	
Remarks: U.S. Customs Indgs rights crpt. No student flying	
permitted. Fld clsd under following 90° to rwy wind conditions:	
(1) 15 knots or more to acft 1,500 lbs or less.	
(2) 20 knots or more to single eng acft except tricycle or caster gear acft.	
(3) 25 knots or more to all acft. Fld clsd daily to all	
opers b/w hrs 2400 and 0600 lcl time due, no safety or svcs	
facis; no lgtg except ouisin lgs dur this period. Rgt Hc N.	
Minor power plant repairs.	
Meigs Tower ¹ 121.3 127.4 122.5R	Gnd Con 121.9
Chicago Dep Con: 119.5	
VFR ADV Ctc twr on 127.4 at s: 10 mi out.	
Remarks: 'Oper 0600-2400.	
\$CHICAGO-MIDWAY IFR 9SW AOE	FSS: JOLIET (DL)
619 H65/13R-31L(6) (S-130, T-200, TT-400)	BL2,4,6,8A,9,11
S5 F5, JP1 U2 DT2 RVR: Rwy 13R REIL: Rwy 22L	
Remarks: Customs svc avbl 0800-1700 cst Mon-Fri. Two hrs adv	
notice reqd to provide svc outside business hrs and on holiday	
plus overtime charges. Acft for which svcs of Public Health	
and Immigration reqd must Ind Chicago-O'Hare Intl Arpt.	
Midway Tower ¹ 118.7 126.2 123.7 122.7R 109.9T 109.5T	
Gnd Con 121.7	
Radar Services:	
Chicago App Con 119.5 126.2 124.7 124.2 122.6R	
118.4 113.9T 110.1T 109.7T	
Chicago Dep Con ¹ 124.2 119.2	
Tfc Info Ctc Chicago App Con on 119.5.	
PAR ² Rwy 13R Ceiling 300 Vsby 3/4 mi Min alt 919	
ASR Rwy 4R, 9, 13R, 18, 27, 31L, 36 Ceil 500 Vsby 1 mi	
Min Alt 1119.	
Rwys 22L, 22R Ceil 600 Vsby 1 mi Min Alt 1219.	
ILS 109.9 ³ I-MDW Apch Brg 132° BC unusable LOM: 219/MD	
109.5 ⁴ I-MXT Apch Brg 312° BC unusable LOM: 248/MX	
Chicago RBn H-SAB 3500/MDW	
VHF/DF available, contact tower.	
Remarks: 'Midway twr provides radar coverage to departure acft	
in the immeiate area of Midway. ² PAR unusable from MM	

AIRPORT/FACILITY DIRECTORY

AIM-Apr. 28, 1966

ILLINOIS—Continued

CHICAGO-O'HARE INTL IFR		14NW	FSS: JOLIET (DL)
667	H116/14R-32L(5)	(S-120, T-200, TT-375)	BL4,6,8A,9,10,11
S5	FS, JP1, JP4	U2	RVR: 14R, 14L, 32L
RVV:	Rwys 4, 9, 27, 32R	REIL:	Rwys 4, 22, 32R VASI: Rwy 22
Remarks:	Motel sign 1 1/4 mi from apch end of rwy 32L maybe mistaken for apch lghts.		
O'Hare Tower	118.1	126.2	122.6R 120.7 110.1T 109.7T
\$CIRNC Del	121.6		Gnd Con 121.9
ATIS:	124.2, 113.9		
Radar Services:	(BCN)		
Chicago App Con	125.7 ¹	126.2	124.7 124.2 122.6R
	119.0 ²	118.4	113.9T 110.1T 109.7T
Chicago Dep Con	125.4	125.0	124.2
Tfc Info	All inbnd acft ctc Chicago App Con on 119.0 from the E, 125.7 from the W.		
PAR Rwy 14R, 27, 32L	Ceil 200 Vsby 1/2 mi Min Alt 867.		
Rwys 4, 14L, 22, 32R	Ceil 300 Vsby 3/4 mi Min Alt 967.		
ASR Rwy 14L, 14R, 22, 27, 32L, 32R	Ceil 400 Vsby 1 mi Min Alt 1067		
Rwy 4	Ceil 600 Vsby 2 mi Min Alt 1267.		
ILS 109.7	I-ORD Apch Brg 138° (14R)	LOM: 394/OR	
110.1	I-OHA Apch Brg 138°	LOM: 368/OH	
110.5	I-IAC Apch Brg 268°	BC unusable LOM: 414/IA	
109.1	I-RVG Apch Brg 318°	LOM: 257/RV	
111.1	I-IDN Apch Brg 318°	LOM 385/ID	
(L) VORTAC	113.9/ORD on Rd.		
VHF/DF available,	ctc twr.		
Remarks:	1180°-359° 2360°-179°. On an ASR apch to rwy 22 do not descend below 1200' MSL til radar advises passing 3 mi radar fix from end of rwy. Glide slope rwy 14L unusable below 900'. VOT: 112.0.		
CHICAGO HEIGHTS (L) BVORTAC	114.2/CGT	FSS: JOLIET	
CORDOVA (L) BVOR	111.2/CVA	FSS: MOLINE	
DANVILLE (L) BVORTAC	111.0/DNV	FSS: LAFAYETTE	
DECATUR MUNI IFR	4E	FSS: VANDALIA (DL)	
679 H53(3)	BL4, 11 S5 F4 JP1 U-1		
Remarks:	REIL rwy 18, 36		
Tower:	118.9 122.5R	Gnd Con 121.9	
(L)BVOR	110.6/DEC	348° 5.4 NM to rwy 36	
Remarks:	Oper 0700-2300 lcl time.		
DU PAGE (T) BVOR	108.4/DPA	FSS: JOLIET	
FT. SHERIDAN RBn MH	326/FSN	FSS: JOLIET	
GALESBURG (T) BVOR	109.8/CBG	FSS: BURLINGTON	
GLENVIEW RBn MH	269/NBU	FSS: JOLIET	
HARRISBURG-RALEIGH RBn MHW	230/HSB	FSS: CAPE GIRARDEAU	
Remarks:	Pvt Fac.		
JOLIET (H) BVORTAC	112.3/JOT	FSS: JOLIET	
KANKAKEE RBn MHW	272/IKK		
KEDZIE RBn MHW	248/MX	FSS: JOLIET	
MARION (L) BVOR	110.4/MWA	FSS: CAPE GIRARDEAU	
MATTOON (T) BVOR	109.4/MTO	FSS: VANDALIA	
RBn HW	347/MTO		
MOLINE			
QUAD CITY IFR	3S	FSS: BURLINGTON (DL)	
590 H55/9-27(3)	(S-56, T-82, TT-140)	BL4,6,8A,9 S5 F5, JP4 U2 DT2	RVV: Rwy 9
ILLINOIS—Continued			
Tower	118.5	122.5R 110.3T	Gnd Con 121.9
Moline App Con	114.4T	111.2T 110.3T	224T
ILS 110.3	I-MLI Apch Brg 087°	LOM: 215/ML	
Moline (L) BVORTAC	114.4/MLI	032°	9.3NM to Ad.
MOUNT VERNON RBn MHW	414/MVN	FSS: ST. LOUIS (DL)	
Remarks:	Owned and operd by Mt. Vernon Airport Authority.		
NAPERVILLE (L) BVOR	116.0/API	FSS: JOLIET	
NORTHBROOK (H) BVORTAC	113.0/OBK	FSS: JOLIET	
PALESTINE RBn MHW	391/PLX	FSS: TERRE HAUTE	
PEORIA			
GREATER PEORIA IFR	4W	FSS: JOLIET	
659 H70/12-30(4)	(S-65, T-90, TT-170)	BL4,6,8A,9 S5 F5, JP1 U2 DT2	RVV: Rwy 30
Remarks:	Rwy 18 clsd air carrier ngt Indgs. Arresting gear rwy 12-30. 5' unltd fence apch end rwy 22.		
Peoria Tower	119.1	125.8 122.5R	Gnd Con 121.9
Peoria App Con	125.8	122.5R 115.2T	109.9T
VFR ADV Ctc App Con on 125.8			
ILS 109.9	I-PIA Apch Brg 303°	LOM: 356/PI	
Peoria (L) BVORTAC	115.2/PIA	095°	4.0NM to Ad.
Peoria RBn MHW	356/PI	303°	5.3NM to Ad.
Remarks:	LOM is MHW.		
PEOTONE (L) BVORTAC	113.2/EON	FSS: JOLIET	
POLO (L) BVORTAC	117.1/PLL	FSS: ROCKFORD	
PONTIAC (L) BVOR	109.6/PNT	FSS: PEORIA	
QUINCY MUNI-BALDWIN FLD IFR	9E	FSS: QUINCY on Fld	
769 H54/3-21(3)	(S65, T-90, TT-170)	BL4,6 F4 JP1 DT2	
ILS ¹ 1110.1	I-UIN Apch Brg 035°	LOM: 293/UI	
Quincy (L) BVORTAC	113.1/UIN	029°	6.4NM to Ad.
Quincy RBn MHW	293/UI	035°	3.9NM to rwy 3.
Remarks:	'Glide slope unusable below 950' MSL. LOM is MHW.		
ROBERTS (L) BVORTAC	116.8/RBS	FSS: CHAMPAIGN	
ROCKFORD			
GREATER ROCKFORD IFR	4S	FSS: ROCKFORD on Fld	
735 H60/18-36(3)	(S-75, T-100, TT-)	BL4,6,8A,9 S5 F4, JP1 DT2	RVV: Rwy 36
Rockford Tower	118.3	122.5R 109.3T 362T	Gnd Con 121.9
VFR ADV Ctc App Con on 124.9			
Rockford App Con	124.9	118.3 122.5R	
ILS 109.3	I-RFD Apch Brg 002°	LOM: 275/RF	
Rockford (L) BVORTAC	110.8/RFD	114°	6.0NM to Ad.
SCOTT (L) VOR	112.2/BLV	FSS: ST. LOUIS	
SAMSVILLE (L) BVOR	116.6/SAM	FSS: EVANSVILLE	
SPRINGFIELD			
CAPITAL IFR	3NW	FSS: VANDALIA (DL)	
593 H70/4-22(3)	(S-85, T-120, TT-210)	BL4,6,8A,9,11 S5 F4, JP4, U2 DT2	RVV: Rwy 4 REIL: Rwy 22.
Remarks:	Jet barrier rwy 4-22.		
Tower	121.3	122.5R	Gnd Con 121.9
VFR ADV Ctc App Con on 118.6 aprx 25NM out			
Springfield App Con	118.6	121.3 112.7T	109.5T 379T
ILS 109.5	I-SPI Apch Brg 038°	LOM: 379/SP	
Springfield RBn MHW	379/SP		
Remarks:	LOM is MHW.		
TROY (L) BVORTAC	116.0/TOY	FSS: ST. LOUIS	
VLADIMIR (L) BVOR	114.3/VLA	FSS: VANDALIA	
WAUKEGAN RBn MHW	379/UGN		

INDIANA

ANDERSON RBn MHW	371/AID	FSS: INDIANAPOLIS
BAKALAR RBn HW	410/BAK	FSS: INDIANAPOLIS
RBn MHW	201/BXR	
BLOOMINGTON (L) BVOR	110.2/BMG	FSS: INDIANAPOLIS
BUNKER HILL (L) VOR	112.5/BHL	FSS: INDIANAPOLIS
RBn MHW	365/BHL	
COLUMBUS RBn MHW	375/CLU	FSS: INDIANAPOLIS

EVANSVILLE

\$DRESS MEMORIAL IFR	3N	FSS: TERRE HAUTE (DL)
389 H60/3-21(3) (S-70, T-90, TT-)	BL4.6 S5 F5 TPI U2 DT2	
Remarks: P-line apch rnwy 21. Act not vis from cll twr on final apch to rnwy 9 within 1500' apch end at alt of 100' AGL or below.		
Evansville Tower	118.7 122.5R	Gnd Con 121.9
Evansville App Con	119.4 122.5R	118.7 113.3T 109.9T
VFR ADV: Ctc App Con on 119.4		
ILS 109.9 I-EVV Apch Brg 215° BC unusable	LOM: 219/EV	
Evansville (H) BVORTAC	113.3/EVV	12.4NM to fld.

FT. WAYNE

\$BAER FIELD IFR	65SW	FSS: FORT WAYNE on Fld.
801 H80/4-22(3) (S-90, T-120, TT-)	BL4.6,8A,9,11 S5 F5, JP1 U2	RVV: Rwy 31 REIL: Rwy 22
Remarks: P-line apch rnwy 31. Ctl twr unable to see act on final apch for rnwy 9 when within 1500' of apch end below 100' AGL or cll ttc on first 500' rnwy 9. Jet barrier rnwy 4-22.		
Fort Wayne Tower	119.1 126.2	122.5R Gnd Con 121.9
Radar Services: (BCN)		
Fort Wayne App Con	125.5 127.2 126.2 122.5R	
117.8T 109.9T		Fort Wayne Dep Con 118.6
Tfc Info Inbnd VHF equipped act cll App Con on 125.5		at least 15NM out.
ASR Rwy 4, 9, 13, 27, 31 Ceil 400, Vsby 1 mi, Min Alt 1201.		
Rwy 22 Ceil 500, Vsby 1 mi, Min Alt 1301.		
ILS ¹ 109.9 I-FWA Apch Brg 315°	LOM: 251/FW	
Fort Wayne (H) BVORTAC	117.8/FWA on Fld.	
Fort Wayne RBn MHW	251/FW 315°	3.9NM to rnwy 31
Remarks: Do not descend below 1500' MSL til radar advised passing fix 3 miles from end of rnwy 22 due to 1155' MSL twr 3.8 miles NE. ¹ Lclzr unusable above 6000' MSL. Glide slope unusable below 1001' MSL. VOT: 111.0. LOM is MHW.		

GOSHEN (L) BVORTAC	116.6/GSH	FSS: SOUTH BEND
RBn SBMH	215/GSH	

\$INDIANAPOLIS MUNI (Weir Cook) IFR	7SW	FSS: INDIANAPOLIS on Fld
797 H100/13-31(2) (S-100, T-150, TT-270)	BL6,8A,9,10,11,15 S5 F4, JP1,4 U2	VASI: Rwy 22 RVR: Rwy 4, 31
Remarks: Fee multi-eng commercial act.		
Tower	120.9 126.2	122.5R 121.3 116.3T 109.3T
Cltc Del 125.7 Gnd Con 121.9		
Radar Services:		
App Con	126.2 122.7R	122.5R 119.3 ¹ 118.5 118.1 ²
116.3T 109.3T		Dep Con 121.1 121.3
Tfc Info Ctc App Con on 119.3, 118.5 or 118.1		
PAR ³ Rwy 4 Ceil 200 Vsby 1/2 mi Min Alt 997		
ASR Rwy 4, 13, 22, 31 Ceil 400 Vsby 1 mi		
Min Alt 1197		
ILS 109.3 I-IND ³ Apch Brg 044°	LOM 266/IN	
110.5 I-COA Apch Brg 313°	LOM: 232/CO	
(H) BVORTAC	116.3/IND 142°	6.1NM to Fld.
RBn H-SAB	266/IN 044°	6.8NM to rnwy 4

INDIANA—Continued

VHF/DF available contact FSS.

Remarks: 1220-044° 2045-219° Radar monitoring of instrument apcrs only at pilot's request. VOT: 109.0 LOM is H-SAB.

KNOX (L) BVOR	108.8/OXI	FSS: SOUTH BEND
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KOKOMO (L) BVOR	109.8/OKK	FSS: INDIANAPOLIS
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LAFAYETTE

\$PURDUE UNIVERSITY IFR	1SW	FSS: LAFAYETTE on Fld
605 H54/10-28(2) (S35 T53 TT80) BL5 S3 F5 JP1		

Remarks: Fee for acft 12,500 lbs and over. Know Igts thru Lafayette rdo.

ILS 110.3 I-LAF Apch Brg 098°	LOM: 401/LA
Lafayette (H) BVORTAC	115.6/LAF 143° 10.6NM to Fld.

LEWIS (H) BVORTAC	115.3/LEU	FSS: TERRE HAUTE
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MARION (T) BVOR	108.6/MZZ	FSS: INDIANAPOLIS
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MONTEREY (L) BVOR	111.4/MOI	FSS: FORT WAYNE
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MUNCIE

\$DELAWARE COUNTY (Johnson Fld) IFR	3N	FSS: INDIANAPOLIS (DL)
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937 H51/14-32(2) (S-70, T-90, TT-150) BL4 S5 F4 JP1 U2

Remarks: P-line in NW apch 3480' off end runway 14. Muncie Tower¹ 120.1 122.5R Gnd Con 121.9

Muncie (L) BVOR 113.7/MIE

Remarks: Oper 1200-0400Z.

NABB (L) BVOR	113.5/ABB	FSS: LOUISVILLE
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RICHMOND (L) BVOR	110.6/RID	FSS: DAYTON
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RBn MHW 385/RID

SCOTLAND (L) BVORTAC	111.2/SCJ	FSS: TERRE HAUTE
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SHELBYVILLE (L) BVOR	112.0/SHB	FSS: INDIANAPOLIS
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SOUTH BEND

\$ST. JOSEPH COUNTY IFR	3NW	FSS: SOUTH BEND on Fld
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785 H60/9-27(4) (S-110, T-145, TT-) BL4,6,8A,9 S4

F5, JP1 U2 RVV: Rwy 27

Remarks: P-lines NE, S. 1048' (1918' MSL) TV twr 7.5 NM SE.

South Bend Tower 118.9 122.5R 115.4T 109.3T

Gnd Con 121.9

South Bend App Con 121.0 122.5R 115.4T 109.3T

VFR ADV: Ctc App Con on 121.0

ILS 109.3 I-SBN Apch Brg 269°	LOM: 341/SB
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South Bend (L) BVORTAC	115.4/SBN
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180° 3.5NM to Fld.

TERRE HAUTE

\$HULMAN FIELD IFR	SE	FSS: TERRE HAUTE on Fld
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585 H90/5-23(3) (S-100,

IOWA—Continued

ATLANTIC RBn MHW 365/AIO	FSS: OMAHA
Remarks: VFR use only. Owned and operd by city.	
BURLINGTON (L) BVORTAC 111.4/BRL	FSS: BURLINGTON
CEDAR RAPIDS MUNI IFR 55SW	FSS: CEDAR RAPIDS on Fld
863 H70/8-26(2) (S-100, T-135, TT-) BL4,6,8A,9,11 S-5 F5, JP-1 U2 REIL Rwy 26	
Remarks: Eastern N/S hwy 1500x75' and sod areas avbl as rwy during strong N/S winds. Arpt attended on request after 0630Z.	
Tower 118.7 122.5R 117.6T 109.3T	Gnd Con 121.9
VFR ADV Ctc App Con on 119.9	
App Con 119.9 122.5R 118.7 117.6T 109.3T	
ILS ¹ 109.3 I-CID Apch Brg 085° BC unusable LOM: 326/C1	
(L) BVORTAC 117.6/CID 088° 2.8NM to fd	
Remarks: ¹ Glide slope unusable below 1047' MSL.	
CHARLES CITY RBn MHW 375/CCY	FSS: MASON CITY
Remarks: Owned and operd by city.	
DAVENPORT RBn BH 224/DVN	FSS: BURLINGTON
DES MOINES MUNI IFR 3SW	FSS: DES MOINES on Fld
957 H90/12-30(3) (S-100, T-180, TT-350) BL4,6,8A,9,11 S-5 F5, JP4 U2 DT RVR: Rwy 30 RVV: Rwy 12 REIL: Rwy 23	
Remarks: Rwy 17-35 closed to acft over 25,000 lbs. DT Memorial Day—Labor Day.	
Tower 118.3 122.5R Gnd Con 121.9	
Radar Services: (BCN)	
App Con 124.9 122.5R 119.3 114.1T 110.3T	
Dop Con 118.6	
ASR Rwy 5, 12, 30 Ceiling 400 Vsby 1 mi Min Alt 1357	
Tfc Info Ctc App Con on 124.9 or 119.3 15NM out.	
ILS 110.3 I-DSM Apch Brg 305° LOM: 219/DS	
(H) BVORTAC 114.1/DSM 349° 5.4NM to fd.	
DUBUQUE (L) BVOR 109.4/DBQ	FSS: CEDAR RAPIDS
ESTHERVILLE (L) BVOR 110.4/EST	
Remarks: Owned and operd by city.	
FORT DODGE (H) BVORTAC 113.5/FOD	FSS: MASON CITY
IOWA CITY (L) BVORTAC 111.10/IOW	FSS: CEDAR RAPIDS
JEFFERSON RBn MHW 391/EFW	FSS: DES MOINES
Remarks: Owned and operd by Arpt Commission.	
KEOKUK RBn MHW 366/EOK	FSS: BURLINGTON
LAMONI (H) BVORTAC 116.7/LMN	FSS: DES MOINES
MASON CITY (H) BVORTAC 114.9/MCW	FSS: MASON CITY
NEOLA (L) BVORTAC 117.1/EOL	FSS: OMAHA
NEWTON (L) BVOR 112.5/TNU	FSS: DES MOINES
OTTUMWA (L) BVORTAC 111.6/OTM	FSS: OTTUMWA
SHENANDOAH RBn MHW 411/SDA	
Remarks: Owned and operd by city.	
SIOUX CITY MUNI IFR 6S	FSS: SIOUX CITY on Fld
1097 H90/13-31(3) (Max 2.25) BL4,6,8A,9,11 S-5 F5, JP-1 U2 RVR: Rwy 31 REIL: Rwy 13	
Remarks: First 1500' rwy 22 not visible to tower. Arresting gear rwy 13-31.	
Tower 118.7 122.5R Gnd Con 121.9	
App Con 118.7 124.6 122.5R 116.5T 109.3T	
VFR ADV Ctc App Con on 124.6	
ILS 109.3 I-SUX Apch Brg 307° LOM: 414/SU	
VHF/DF available, contact tower.	
(L) BVORTAC 116.5/SUX 312° 3.6NM to fd.	
RBn MHW 414/SU 307° 5.3NM to fd.	
Remarks: ¹ LOM is MHW.	
SPENCER RBn MHW 257/SPW	

IOWA—Continued

STORM LAKE RBn MHW 227/SLB	FSS: WATERLOO on Fld
Remarks: Owned and operd by Arpt Comm.	
WATERLOO MUNI IFR 4NW	FSS: WATERLOO on Fld
870 H54/12-30(3) (S-100, T-180, TT-305) BL4,6,8A,9,11 S-5 F4, JP1 U2 RVR: Rwy 12	
Tower 118.1 122.5R Gnd Con 121.9	
VFR ADV Ctc App Con on 125.8	
App Con 125.8 122.5R 109.9T 108.2T	
ILS ¹ 109.9 I-ALO Apch Brg 122° LOM: 382/AL	
(L) BVORTAC 108.2/AL at fd.	
Remarks: ¹ Front crs unusable beyond 20 NM.	
WAUKON (L) BVOR 109.6/UKN	FSS: LACROSSE
KANSAS	
ANTHONY (L) BVOR 112.9/ANY	FSS: WICHITA
CHANUTE (L) BVOR 109.2/CNU	FSS: CHANUTE
DODGE CITY (L) BVOR 108.2/DDC	FSS: DODGE CITY
EMPORIA (L) BVORTAC 112.8/EMP	FSS: EMPORIA
FORT RILEY (L) VORW 109.4/FRI	FSS: SALINA
RBn MHW 317/FRI	
GARDEN CITY (H) BVORTAC 113.3/GCK	FSS: GARDEN CITY
RBn H-SAB 257 /GCK	
GOODLAND (L) BVORTAC 115.1/GLD	FSS: GOODLAND
HILL CITY (H) BVORTAC 113.7/HLC	FSS: HILL CITY
HUTCHINSON MUNI IFR 3E	FSS: WICHITA (DL)
1542 H70/13-31(3) (S-50, T-65, TT-103) BL4,6,8A,9 S5 F4 JP1 U2	
Remarks: 1503' (3049' MSL) twr 5NM E. Threshold rwy 31 displaced 800' NW, rwy 35 displaced 800' N, rwy 3 displaced 400' NE.	
Tower 118.5 122.5R Gnd Con 121.9	
VFR ADV Ctc App Con on 125.5	
App Con 125.5 122.5R 118.5 116.8T	
ILS 110.1 I-HUT Apch Brg 129° LOM: 404/HU	
(L) BVORTAC 116.8/HUT 033° 5.0NM to rwy 3	
INDEPENDENCE RBn MHW 400/IDP	FSS: CHANUTE
KANSAS CITY	
FAIRFAX MUNI IFR 3NE	FSS: KANSAS CITY
746 H61/17-35(4) (S-30, T-50, TT-85) BL6 S5 F-5, JP-1 U2	
Remarks: Tfc ptn alt for acft under 12,500 lbs GWT is 600' AGL, vsby N and NW greatly reduced. 1042' (2049' MSL) twr SNM S. and 1023' (1946' MSL) twr 6NM SE. Displaced threshold on all runways.	
Tower 119.1 126.2 122.5R	Gnd Con 121.7
Radar Services:	
Kansas City App Con 126.2 122.7R 121.1 ¹ 118.9 ²	
112.6T 109.9T	Kansas City Dop Con 118.1
Tfc Info Ctc Kansas City App Con.	
Remarks: ¹ W Sector ² E Sector	
LIBERAL (H) BVOR 112.3/LBL	FSS: GARDEN CITY
Remarks: To be (H)BVORTAC June 1.	
MANHATTAN (L) BVOR 110.2/MHK	FSS: SALINA
RBn HW 391/MHK	
MANKATO (L) BVOR 109.8/TKO	FSS: SALINA
OSWEGO (L) BVOR 117.6/OSW	FSS: JOPLIN
OTTAWA (L) VORW 111.6/TOE	FSS: TOPEKA
PRATT RBn HW 356/PTT	FSS: DODGE CITY

KANSAS—Continued

RUSSELL (L) BVOR	114.5/RSL	FSS: RUSSELL
SALINA (H) BVORTAC	115.3/SLN	FSS: SALINA
TOPEKA		
§PHILIP BILLARD MUNI IFR 3NE		FSS: TOPEKA on Fld
880 H51/13-31(3) (S-70, T-100, TT-175)	BL4,6,8A,9 S5 FS	
JP1 U2		
Topeka Tower	118.7 126.2 122.5R	Gnd Con 121.9
Radar Services: (BCN)		
Olathe App Con 120.5 122.5R		
ILS' 109.5 I-TOP Apch Brg 125°	LOM: 304/TOP	
Topeka (L) BVORTAC 117.8/TOP	211° 4.9NM to Ad.	
Topeka RBn MHW 304/TOP	126° 3.9NM to rnwy 13.	
Remarks: 'Glide slope unusable below 1078' MSL. LOM is MHW.		

WICHITA		
§BEECH IFR 5E		FSS: WICHITA (DL)
1387 H50/18-36(3) F4		
Remarks: Both apchs N-S rnwy restricted by polelines.		
Tower' 119.9 126.2 122.5R	3023.5R	Gnd Con 121.7
Radar Services:		
Wichita App Con 125.7 120.1 134.1 122.7R		
Wichita Dep Con 125.7		
ASR 'Rwy 18 Ceil 700' Vsby 1 mi Min Alt 2087		
Remarks: 'NA for over 2 eng acft. 'Operas 1400-2300Z Mon-Fri. Cld Sat, Sun and holidays.		
§WICHITA MUNI IFR 5SW		FSS: WICHITA on Fld
1332 H73/1-19(2) (S-100, T-188, TT-350)	BL6,8A,9 S5 FS, JP1 U2 RVV: Rwy 01	109.1 126.2 122.7R 110.3T
Remarks: Acft carrying hazardous or explosive cargo prohibited. 1079' (2444' MSL and 1064' (2431' MSL) twr 47M NNW.		Gnd Con 121.9
Tower 119.5 122.5R	110.3T	
Radar Services: (BCN)		
Wichita App Con 120.1 120.6 134.1 125.7 1227R	113.8T	
Wichita Dep Con 124.5 113.8T		
Ttc Info Ctc App Con on 120.1		
ASR Rwy 1, 32 Ceil 400 Vsby 1 mi Min Alt 1732.		
Rwy 14 Ceil 500 Vsby 1 mi Min Alt 1932.		
Rwy 19 Ceil 600 Vsby 1 mi Min Alt 1932.		
ILS 110.3 I-ICT Apch Brg 011°	LOM: 219/IC	
(H) BVORTAC 113.8/ICT	162° 4.3NM to rnwy 14.	
RBn SABH 332/ICT		

KENTUCKY

ASHLAND RBn MHW 385/AKY	FSS: HUNTINGTON
Remarks: Inoperative.	
BOWLING GREEN (L) BVORTAC 117.9/BWG	FSS: BOWLING GREEN
CAMPBELL (T) VOR' 111.0/HOP	FSS: BOWLING GREEN
RBn HW 293/HOP	
Remarks: 'Inoperative.	
CAMPBELLSVILLE RBn MHW 354/CTC	FSS: LOUISVILLE
CENTRAL CITY (L) BVOR 109.8/CCT	FSS: BOWLING GREEN
FALMOUTH (L) BVOR 109.0/FLM	FSS: CINCINNATI
PORT KNOX (T) VOR 109.6/FTK	FSS: LOUISVILLE
RBn MH 396/FTK	
LEXINGTON	
§BLUE GRASS FIELD IFR 5W	FSS: LEXINGTON on Fld
978 H55/4-22(3) (S-95, T-128, TT-284)	BL4,6,8A,9 S5 FS, JP-5 U2 RVV: Rwy 4
Remarks: Twr unable to see last 1/2 mi final apch rnwy 26.	

KENTUCKY—Continued

Lexington Tower	121.1 122.5R 117.0 110.1T	
Gnd 121.9		
Lexington App Con	119.1 122.5R 117.0 110.1T	
ILS 110.1 I-LEX Apch Brg 042°	LOM: 242/LE	
Lexington (H) BVORTAC 117.0/LEX	304° 7.3NM to Ad.	
Lexington RBn MHW 242/LE	042° 3.5NM to Ad.	
Remarks: LOM is MHW.		
LONDON (H) BVORTAC 116.1/LOZ		FSS: LONDON
LOUISVILLE		
§BOWMAN FIELD IFR 5SE		FSS: LOUISVILLE on Fld
549 H43/6-24(3) (Max 30)	BL4,11 S-5 F-4, JP-4 U2	
REIL: Rwy 24		
Tower 119.5 126.2 122.5R		Gnd Con 121.9
Radar Services:		
Standiford App Con 124.5 126.2 120.5 120.3		
Standiford Dep Con 119.0		
§STANDIFORD FIELD IFR 4S		FSS: LOUISVILLE (DL)
497 H78/1-19(3) (S-60, T-90, TT-200)	BL4,6,8A,9,14,15	
S-4 F5, JP1, JP5	RVV: Rwy 29	RVR: Rwy 1
Remarks: FEE.		
Tower 120.3 126.2 122.7R		Gnd Con 121.7
Radar Services:		
App Con 124.5 126.2 120.5 120.3 Dep Con 119.0		
ASR Rwy 24, 29 Ceil 500 Vsby 1 mi Min Alt 997.		
Rwys 1, 16, 11, 19 Ceil 600 Vsby 1 mi Min Alt 1097.		
ILS 110.3 I-SDF Apch Brg 010°	'LOM: 359/SD	
109.1 I-LKS Apch Brg 290°	LOM: 414/LK	
VHF/DF available, contact tower		
Louisville (H) BVORTAC 114.8/LOU	300° 8.4NM to Ad.	
Standiford RBn BH 359/SD	010° 4.8NM to Ad.	
Remarks: On apch to rnwy 19 maintain at least 1400' MSL within 3 mi of rnwy. VOT: 111.0. 'LOM is BH.		
MYSTIC (L) BVOR 108.2/MYS		FSS: LOUISVILLE
NEWCOMBE (L) BVOR 110.4/ECB		FSS: HUNTINGTON
NEW HOPE (L) BVORTAC 110.8/EWO		FSS: LOUISVILLE
OWENSBORO (T) BVOR 108.6/OWB		FSS: EVANSVILLE
RBn MHW 275/OWB		
PADUCAH (L) BVORTAC 113.6/PUK		FSS: PADUCAH
RBn BMH 356/PUK		
YORK (L) VORW 113.4/YRK		FSS: HUNTINGTON
WHITESBURG (L) BVORTAC 111.8/BRG		FSS: LONDON
LOUISIANA		
ALEXANDRIA (H)BVORTAC 116.1/AEX		FSS: ALEXANDRIA
RBn HW 251/AEX		
BARKSDALE (L) VOR 114.8/BAD		FSS: SHREVEPORT
RBn HW 379/BAD		
BATON ROUGE		
§RYAN IFR 4 N		FSS: BATON ROUGE on Fld
70 H60/4-22 (3) (S-137, T-175, TT-340)	BL4, 6, 11 S5	
F4, JP5 U2 REIL: Rwy 13		
Remarks: Rwy 22 threshold lgs displaced 260' SW 5740' avbl rnwy 22, 6000' avbl rnwy 4. Ctc App Con 119.7 prior entering control zone. 1729' (1749' MSL) twr 10.5 NM SSW		
Tower 118.3 122.5R		Gnd Con 121.9
Baton Rouge App Con 119.7 122.5R 116.5T 110.3T		
ILS 110.3 I-BTR Apch Brg 127°	LOM: 284/BT	
Baton Rouge (L) BVORTAC 116.5/BTR	065° 7.6NM to Ad.	
ESLER (T) BVOR 108.8/ESF		FSS: ALEXANDRIA
GRAND ISLE (L) BVORTAC 109.4/GNI		FSS: NEW ORLEANS
RBn HH 2360/GNI		

LOUISIANA—Continued

HARVEY (L) BVORTAC	112.4/HRV	FSS: NEW ORLEANS
LAFAYETTE MUNI IFR	2 SE	FSS: LAFAYETTE on Fld
42 H51/1-19(2) (S-9, T-20, TT-30)	BL4, 8A, 9, 11 S5	
F5, JPS U2 RVV: Rwy 19 REIL: Rwy 1		
Tower 118.5 122.5R Gnd Con 121.7		
Climc Del 121.7		
App Con 121.1 122.5R 118.5		
ILS 109.5 I-LFT Apch Brg 193° LOM: 257/LF		
(LIB)VORTAC 110.8/LFT 344V 3.0 NM to Ad.		
RBN BMH 375/LFT at Ad.		
LAKE CHARLES MUNI IFR	3 S	FSS: LAKE CHARLES on Fld
16 H65/15-33(1) (S-137, T-165, TT-350)	BL4,5,6,8A,9 S5	
F4, JP4 RVV: Rwy 15		
Remarks: Rgt tfc runways 15 and 22.		
Tower 120.7 122.5R Gnd Con 121.9		
App Con 119.3 122.5R 113.4T 109.1T		
ILS 109.1 I-LCH Apch Brg 148° LOM: 353/LC		
(H)BVORTAC 113.4/LCH 252° 6.3 NM to Ad.		
RBN BH 242/LCH		
MONROE IFR	3 E	FSS: MONROE on Fld
79 H50/4-22(3) (S-50, T-75, TT-135)	BL4,6,8,9 S5	
F4, JP4 U2		
Remarks: Apch to runways 17-35 and 13 do not meet FAA safety criteria for air carrier ngt. Indgs.		
Tower 119.1 122.5R Gnd Con 121.9		
App Con 119.1 122.5R		
ILS ¹ 109.5 I-MLU Apch Brg 039° LOM: 219/ML		
(L)BVORTAC 113.7/MLU 036° 4.2 NM to rwy 4.		
Remarks: 'Glide slope unusable below 320' MSL.		

NEW ORLEANS

NEW ORLEANS-LAKEFRONT IFR	4 NE	FSS: NEW ORLEANS on Fld
10 H57/17-35(4) (S60 T100 TT160)	BL4 S5 F5, JP1, 5 U2	
Remarks: Actl transporting any items listed in part 49 of CAR prior pmsn reqd to Ind. Rwy 35 threshold displaced 1226' N. 4504' avbl Indg rwy 35. 5202' avbl Indg rwy 17. No ngt operns rwy 8-26. 1046' (1049' MSL) TV twr 8 NM S. 1049' MSL) TV twr 7 NM SE.		
Lakefront Tower 119.5 126.2 122.5R	Gnd Con 121.7	
Radar Services:		
New Orleans App Con 125.5 122.7R 118.1		
New Orleans Dep Con 120.4		
NEW ORLEANS INTL-MOISANT FLD IFR	10 W	
FSS: NEW ORLEANS (DL)		
3 H92/10-28(3) (S-180, T-225, TT-425)	BL4,6,8A,9,11,14,15	
S1 F5, JP1, JPS U2 REIL: Rwy 1 RVR: Rwy 10		
Remarks: Fee on gross Indg wt. U.S. Customs-Indg rights arpt (1300-1700Z Mon-Sat) req arr notice be forwarded to US customs when filing fl plan in Canada, Mexico or Cuba. Rwy 28 threshold displaced 700' SW. Usable length rwy 28—8525'; rwy 10-9225'. 700' E of rwy 28 threshold usable tkof only with approval ct twr.		
Melbart Tower 119.9 122.7R 278T	Gnd Con 121.9	
Radar Services:		
New Orleans App Con 125.5 122.7R 118.1 109.9T		
New Orleans Dep Con 120.6		
Tfc Info Ctc App Con on 125.5, for other arpts in or transversing the area ctc App Con on 118.1		
ASR Rwy 1, 5 Ceil 500 Vsby 1 mi Min Alt 503.		
Rwys 10, 23, 28 Ceil 400 Vsby 1 mi Min Alt 403.		
Rwy 19 Ceil 700 Vsby 1 mi Min Alt 703.		
ILS 109.9 I-MSY Apch Brg 099° LOM: 338/MS		
New Orleans (H)BVORTAC 113.2/MSY 4.4 NM to Ad.		
New Orleans RBN SBM 338/MS 099° 6.6 NM to rwy 10. VHF/DF available, contact tower.		

LOUISIANA—Continued

SHREVEPORT		
GREATER SHREVEPORT IFR	4 SW	FSS: SHREVEPORT on Fld
257 H73/13-31(2) (S-83, T-120, TT-201)	BL4, 6, 8A, 9, F5	
RVV: Rwy 13		
Shreveport Tower 118.3 122.7R 201T	Gnd Con 121.9	
Radar Services: (BCN)		
Shreveport App Con 118.5 123.9 122.5R 117.4T 114.8T		
Shreveport Dep Con 119.9		
Tfc Info Ctc App Con on 118.5		
ILS 110.3 I-SHV Apch Brg 136°		
SHREVEPORT DOWNTOWN IFR	2 N	FSS: SHREVEPORT (DL)
179 H45/14-32(3) (S30)	BL4 S5 F4	
Tower 119.5 122.5R	Gnd Con 121.7	
Radar Services: (BCN)		
Shreveport App Con 118.5 123.9 122.5R 117.4T 114.8T		
Shreveport Dep Con 119.9		
(T)VOR 108.6/DTN at Ad.		
Shreveport (H)BVORTAC 117.4/SHV 159° 13.9 NM to Ad.		
Shreveport RBN SBM 230/SHV 153° 11.6 NM to rwy 14.		
TIBBY (L) BVORTAC	112.0/TBD	FSS: NEW ORLEANS
WHITE LAKE (L) BVOR	111.4/LLA	FSS: LAFAYETTE

MAINE

AUGUSTA STATE (LIB)VOR	111.4/AUG	FSS: AUGUSTA
RBN BH 221/AUG		
BANGOR (H)BVORTAC	114.8/BGR	FSS: OLD TOWN
Rng SBRAZ 239/BW		
BAR HARBOR RBN MHW	320/BHB	FSS: OLD TOWN
BRUNSWICK (L)VOR	116.2/NHZ	FSS: AUGUSTA
Rng MRLZ 368/NZ		
HOULTON (L)BVOR	108.2/HUL	FSS: HOULTON
KENNEBUNK (H) BVORTAC	117.1/ENE	FSS: PORTLAND
MILLINOCKET (H)BVORTAC	117.9/MLT	FSS: MILLINOCKET
RBN H-SAB 344@/MLT		
NEW GLOUCESTER RBN MHW	266/GLU	
Remarks: Owned and operd by Airport Commission.		
SPORTLAND MUNI IFR	2W	FSS: PORTLAND on Fld
66 H50/11-29(2) (S-94, T-116, TT-) BL 5, 6, 8A, 9, 10 S5 F5, JP1 U2 DT2 VASI: Rwy 29		
Remarks: ILS apch zone for rwy 11 has unlgtd trees protruding above 7:1 slope maximum penetration of 27' lctd at the end of rwy and 800' rgt cntrline. Lesser penetrations lctd 250'-430' from end of rwy and 720'-890' left cntrline. 1890'-2180' from end of rwy and 900'-1090' left cntrline.		
Tower 120.9 122.5R 109.9T	Gnd Con 121.9	
App Con 120.9		
ILS 109.9 I-PWM Apch Brg 112° BC unusable LOM: 394/PW		
PRESQUE ISLE (H)BVORTAC	116.4/PQI	FSS: HOULTON
PRINCETON (L)BVOR	114.3/PNN	FSS: HOULTON
ROCKLAND RBN MHW	353/RKD	FSS: AUGUSTA
SPRAGUEVILLE Rng SMLWZ	371/SPR	FSS: HOULTON
WATERVILLE RBN MHW	375/AVI	FSS: AUGUSTA

MARYLAND

ABERDEEN RBN MHWZ	349/APG	FSS: WASHINGTON
ANDREWS (L)VORTAC	113.1/ADW	

MARYLAND—Continued

BALTIMORE

FRIENDSHIP INTL IFR 8 S FSS: WASHINGTON (LC 766-3420
146 H94/10-28(3) (S-240, T-500, TT-700) BL6, 8A, 9, 10, 11
S5 F5, JP1, JP4, JP5, U2 DT2 VASI: Rwy 28 RVR: Rwy 10
REIL rwy 4, 22

Remarks: For Customs use gates A-14 and A-3. Cld 0300 to
1130Z to practice approaches or landings by turbojet and
turboprop due noise complaints.

Tower 118.7 122.7R 109.7T Gnd Con 121.9

Radar Services:

Baltimore App Con 129.7¹ 125.9³

Baltimore Dep Con 120.4

ASR Rwy 28, 33 Ceil 400 Vsby 1 mi Min Alt 546.
Rwy 10, 15, 22 Ceil 500 Vsby 1 mi Min Alt 646.

ILS³ 109.7 I-BAL Apch Brg 102° LOM: 219/BA

(I)BVORTAC 113.8/BAL on fd.

VHF/DF available, contact tower.

Remarks: ¹101°-281° ²282°-100° ³Glide slope unusable from 400'
inside MM to touchdown. VOT: 108.2.

CUMBERLAND RBn MHW 317/CBE

FSS: MARTINSBURG

FREDERICK (T)BVOR 109.0/FDK

FSS: MARTINSBURG

GAITHERSBURG RBn MHW 385/GAI

FSS: WASHINGTON

GRANTSVILLE (L) BVORTAC 112.3/GRV

FSS: MORGANTOWN

HAGERSTOWN (L)BVOR 109.8/HGR

FSS: MARTINSBURG

NOTTINGHAM (L)BVORTAC 116.0/OTT

FSS: WASHINGTON

PATUXENT (L)BVORTAC 117.6/PXT

FSS: SALISBURY

POOLESVILLE RBn MHW 280/PLV

FSS: WASHINGTON

SALISBURY (L)BVORTAC 114.5/SBY

FSS: SALISBURY

SNOW HILL (L)BVORTAC 112.4/SWL

FSS: SALISBURY

WESTMINSTER (H)BVORTAC 117.9/EMI

FSS: WASHINGTON

MASSACHUSETTS

BEDFORD

LAURENCE G HANSCOM FLD IFR 1 S FSS: BOSTON (DL)
133 H70/11-29(2) (S-200, T-200, TT-400) BL5, 6, 8A, 9, 10, 11
S5, F5, JP1, JP4 U2 DT2 VASI: Rwy 11, 29
REIL: Rwy 23, 29 RVV: Rwy 11

Remarks: 1199' (1349' MSL) and 1249' (1349' MSL) TV twrs 10
NM S. Jet barriers and arresting gear rwy 11-29. FEE for
commercial acft over 5000' lbs.

Tower 118.5 126.2 122.5R Gnd Con 121.7

Radar Services:

Boston App Con 124.4

PAR Rwy 11 Ceil 300 Vsby 3/4 mi Min Alt 433

ILS 109.5 I-BED Apch brg 112° LOM: 512/BE

Bedford (L)BVOR 116.0/BED on fd.

Bedford RBn HW 512/BE 112° 4.0 NM to fd.

VHF/DF available, contact tower.

Remarks: ¹GCA oper 1400-0400Z Mon-Sat. LOM is HW.
VOT: 110.0

BEVERLY RBn MHW 269/TOF

FSS: BOSTON

BOSTON

SLOGAN INTL IFR 1 E FSS: BOSTON on Fld
19 H100/4R-22L(4) (S-100, T-200, TT-400) BL6, 8A¹, 9², 10
S5 F5, JP4, JP5 U2 DT2 VASI: Rwy 22L RVR: Rwy 4R, 33L
RVV: Rwy 22L

MASSACHUSETTS—Continued

Remarks: FEE. Lndg threshold rwy 4R displaced 2502' to
NE, 10,023' avbl except lndg length toward NE restricted to
7521' during IFR conditions and hrs of darkness. Rwy 4L-22R
usable width 150' threshold at apch end rwy 22R relocated 800'
SW. 1199' (1349' MSL) 1063.5 (1184' MSL) TV twrs 10 NM SW.
¹Non-standard cntrline apch lgt sys. ²Sequence flashers extend
only 1200'.

Boston Tower 118.1 126.2 122.5R 110.3T Gnd Con 121.9

*Climc Del 121.65

ATIS: 112.7

Radar Services: (BCN)

Boston App Con 120.6 126.5 126.2 124.4 122.5R 110.3T 382T

Boston Dep Con 119.1 124.4

PAR⁴ Rwy 4R Ceil 200 Vsby 1/2 mi Min Alt 219

ASR Rwy 4, 15 Ceil 700 Vsby 1 mi Min Alt 719.

Rwy 22L Ceil 600 Vsby 1 mi Min Alt 619.

Rwy 27, 33 Ceil 500 Vsby 1 mi Min Alt 519.

ILS 110.3 I-BOS Apch Brg 035° BC unusable LOM: 221/BO

110.7 I-LIP⁵ Apch Brg 330° BC unusable LOM: 346/LI

VHF/DF available, contact Tower.

Boston (H)BVORTAC 112.7/BOS on fd.

Boston RBn H-SAB 382⁶/BOS 234° 1.0 NM to fd.

Remarks: ¹215-319° ²320°-214° ³Glide slope unusable below
219' MSL. ⁴Radar monitoring of instrument apchs only at
pilot's request. VOT: 111.0

CHESTER (L)BVOR 117.3/CTR

FSS: WINDSOR LOCKS

DEVENS RBn MHW 352/AVE

FSS: BOSTON

FALL RIVER RBn MHW 395/FLR

FSS: NANTUCKET

FITCHBURG RBn MHW 206/FIT

FSS: BOSTON

GARDNER (L)BVORTAC 110.6/GDM

FSS: WORCESTER

HYANNIS**\$BARNSTABLE MUNI IFR 1 N** FSS: NANTUCKET (DL)

52 H55/6-24(2) (S-63, T-110, TT-) BL5, 6, 8A, 9, 11

S5 F5, JP1, JPS U2 DT2 RVV: Rwy 24 REIL: Rwy 6

Remarks: Poles SE, SW. Rwy 11-29 open for dalg¹ lndgs and
tkoffs on pilot req only, and W wind exceeds 14 knots.

Hyannis Tower 119.5 122.5R Gnd Con 121.9

Radar Services: (BCN)

OTis App Con 127.7 134.1 116.8T

OTis Dep Con 127.7

ILS¹ 110.5 I-HYA Apch Brg 245° BC unusable LOM: 342/HY

Hyannis (L)BVOR 108.6/HYA 241° 3.2 NM to rwy 24.

Remarks: ¹Glide slope operg test.

LAWRENCE (T)BVOR 112.0/LWM

FSS: BOSTON

RBn MHW 245/LWM**MARTHA'S VINEYARD (L)BVOR 108.2/MVY**

FSS: NANTUCKET

\$NANTUCKET MEMORIAL IFR 3 SE

FSS: NANTUCKET on Fld

47 H50/6-24(2) (S-31, T-55, TT-) BL5, 6, 8A, 9 S3

F4 DT2 RVV: Rwy 24

Tower 118.3 122.5R 109.1T Gnd Con 121.9

Radar Services: (BCN)

OTis App Con 118.2 134.1 116.8T

OTis Dep Con 118.2

ILS 109.1 I-ACK Apch Brg 240° LOM: 248/AC

VHF/DF available, contact Tower.

Nantucket (H)BVORTAC 117.7/ACK 240° 1.9 NM to fd.

Remarks: ¹Oper 1200-0400Z advisory svc other times.

\$NEW BEDFORD MUNI IFR 2 NW

FSS: NANTUCKET (DL)

79 H50/5-23(2) (S-63, T-110, TT-) BL5, 6, 8A, 9 S3 F4 U2 DT2

Remarks: ILS apch zone for rwy has unltd trees protruding
above the 7 : 1 slope.

Tower 121.3 122.5R 109.7T Gnd Con 121.9

MASSACHUSETTS—Continued

Radar Services: (BCN)	
Quonset App Con 118.6 134.1 120.1	
Quonset Dep Con 124.5 126.2 123.8	
ILS 109.7 I-EW8 Apch Brg 053° LOM: 274/EW	
NORWOOD RBn MHW 212/OWD	FSS: BOSTON
PITTSFIELD RBn MHW 343/PSF	FSS: ALBANY
PROVINCETOWN MHW 230/PVC	FSS: NANTUCKET
Operd Mass Aero Comm	
WESTFIELD	
\$BARNES MUNI IFR 3 N	FSS: WINDSOR LOCKS (LC 739-7132)
270 H90/2-20(3) (S-63, T-110, TT-195) BL5, 6 S3 F4, JP4 DT2	
Remarks: Jet barrier rnwy 2-20.	
Westfield Tower ¹ 121.3 126.2 122.5R	
Westfield Gnd Con 121.7	
Radar Service:	
Westover App Con 124.1 134.1 109.2T 114.0T	
Westover Dep Con: 124.1 134.1	
Westfield (L)BVOR 113.0/BAF on fd.	
Westfield RBn SBMHZ 230/BAF 203° 4.8 NM to fd.	
Remarks: ¹ Oper 1200-0400Z.	

WHITMAN (L)BVORTAC 109.0/HTM	FSS: BOSTON
\$WORCESTER MUNI IFR 3 W	FSS: WORCESTER on Fld
1009 H70 (11-29(3) (S-137, T-180, TT-297) BL6, 7, 12 S5 F4, JP1 U2 DT2 RVV: Rwy 33	
Remarks: Rwy 29 threshold displaced 150'.	
Tower 120.5 121.9 110.9T Gnd Con 121.9	
ILS ¹ 110.9 I-ORH Apch Brg 332° BC unusable LOM: 282/OR	
Remarks: ¹ ILS rwy 33 glide slope unusable below 1209' MSL acct roughness 750' inside MM to Indg threshold. Auto and manual apchs below the altitude not authorized.	

MICHIGAN

ALPENA	
SPHELPS COLLINS IFR 6 W	FSS: PELLSTON (DL)
689 H90(18-36 (3) (S95-T125-TT210) BL6 S5 F4 U1	
RVR: Rwy 36.	
Remarks: Rwy 18 9000' avbl Indg, 8000' avbl tkoff. Rwy 36 8000' avbl Indg and tkof. Jet barrier 1050' from apch end rwy 18. GCA (ASR-PAR) VFR brng status 1400-2100Z Mon-Fri. Pilots encouraged to participate. Ctc twr for practice radar apchs during VFR conditions. GCA civil freqs 134.10 and 139.9.	
Collins Tower 120.9 126.2	Gnd Con 121.9T 122.5R
Alpena (L)BVOR ¹ 108.8/APN	
Alpena RBn HW 414/APN	
Remarks ¹ To be (L)BVORTAC May 9.	

BATTLE CREEK	
\$W K KELLOGG REGIONAL AIRFIELD IFR 3 W	FSS: JACKSON (DL)
941 H70/4-22(4) (S-40, T-65, TT-115) BL4,6,8A,9 S5 F5 TP-1	
Remarks: Rwy 9-27, 18-36 clsd dur winter mos. E ramp S of twr and portion N ramp mil area not visible from twr.	
Battle Creek Tower 118.5 122.5R 396T	Gnd Con 121.9
VFR Adv Ctc App Con on 121.2 when 25 mi out.	
Battle Creek App Con 121.2 122.5R	
ILS ¹ 110.5 I-BTL Apch Brg 224°. LOM: 272/BT	
Battle Creek (T)BVORTAC 109.4/BTL at fd.	
Battle Creek RBn MHW 272/BT 3.7 NM to fd.	
Remarks: ¹ Glide slope unusable below 1141' MSL. LOM is MHW.	

BELLAIRE RBn HW 251/ATM	FSS: TRAVERSE CITY
BENTON HARBOR RBn MHW 400/BEH	FSS: SOUTH BEND

Remarks: Privately owned and operated. Public instr fl rule apch procedure predicated on facil.

MICHIGAN—Continued

BOYNE FALLS RBn MHW 263/BFA	FSS: PELLSTON
Remarks: VFR use only.	
CADILLAC RBn MHW 269/CAD	FSS: TRAVERSE CITY
CARLETON (L)BVORTAC 115.7/CRL	FSS: DETROIT
CHARLEVOIX RBn MHW 222/CVX	FSS: PELLSTON
COLDWATER RBn MHW 224/CWM	FSS: JACKSON
DETROIT	
\$DETROIT CITY IFR 5 NE AOE	FSS: DETROIT (DL)
626 H51/15R-33L(3) (S250 T-350 TT) BL4, 11 S5 F4, JP1 U2 REIL: Rwy 15	
Remarks: 1063' (1749' MSL) 1057' (1738' MSL) twrs 10 WNW.	
Tower 118.7 122.5R Gnd Con 121.9	
Radar Services (BCN)	
App Con 120.0 122.5R	Dep Con 127.3
Tfc Info Ctc App Con on 120.0	
ASR Rwy 15R, 33L, 25 Ceil 600 Vsby 1 mi Min Alt 1226	
ILS 111.3 I-DET Apch Brg 146° LOM 338/DE	
Remarks: VOT: 112.0.	
\$DETROIT METROPOLITAN WAYNE IFR 13 SW AOE	
FSS: DETROIT on Fld	
639 H105/3L-21R (4) (S-200, T-200, TT-400) BL4, 6, 8A, 9, 10, 11 S5 F4, JP1, JP4 U2 VASI: Rwy 27 RVR: Rwy 3L, 21R	
REIL: Rwy 3R	
Remarks: Rwy 15 threshold displaced 650'. Fee.	
Detroit Metropolitan Tower 121.1 126.2 122.7R 109.3T 110.7T	
*Clrc Del 120.65	Gnd Con 121.7
Radar Services:	
Willow Run App Con 123.7 125.15 124.9 122.6R 114.9T 109.5T	
Willow Run Dep Con 118.4	
Tfc Info Ctc on 123.7, 124.9 Willow Run App Con.	
ILS 109.3 I-DTW Apch Brg 032° LOM: 388/DT	
110.7 I-DWC Apch Brg 212° LOM: 367/DW	
Detroit RBn H-SAB 388•/DT 121°	
Remarks: LOM is SAB. VOT: 109.0	
\$WILLOW RUN IFR 19 SW	FSS: DETROIT (DL)
716 H75/5-23(6) (S-60, T-90, TT-200) BL4, 6, 8A, 9, 11 S5 F5, JP1, JP4 RVR: Rwy 5R REIL: 23L	
Remarks: First 500' rwy 9L not visible from twr. 320' overrun area SW end rwy 5R-23L usable only tkoff rwy 5R Indg rwy 23L.	
Tower 121.3 122.6R 109.5T Gnd Con 121.9	
Radar Services:	
App Con 125.15 124.9 123.7 122.6R 114.9T 109.5T	
Dep Con 118.4	
Tfc Info Ctc App Con on 124.9 or 123.7	
PAR ¹ Rwy 5R Ceil 200 Vsby ½ mi Min Alt 916.	
Rwy 5L Ceil 400 Vsby 1 mi Min Alt 1116.	
ASR Rwy 9L Ceil 600 Vsby 1 mi Min Alt 1316.	
Rwys 5L, 5R, 14, 36 Ceil 500 Vsby 1 mi Min Alt 1216.	
Rwys 18, 23L, 23R, 27L, 27R, 32 Ceil 400 Vsby 1 mi Min Alt 1116.	
ILS 109.5 I-YIP Apch Brg 050° LOM: 359/YI	
VHF/DF available, contact tower.	
Willow Run (T)IVOR 114.9/YIP at fd.	
Remarks: ¹ Radar monitoring of instrument apchs only at pilot's request.	
ESCANABA (L) BVOR 110.8/ESC	FSS: MARQUETTE (DL)
FLINT	
\$BISHOP IFR 3 SW	FSS: LANSING (DL)
781 H56/9-27 (S-40, T-60, TT-110) BL4,5,6,8A,9 S5 F4 U2 RVV: Rwy 9.	

MICHIGAN—Continued

Remarks: Rwy 18 threshold displaced 635'. Flint Tower 119.5 126.3 122.5R 111.6T 109.9T Gnd Con 121.9 VFR Adv Ctc App Con on 126.3 aprx 25 NM out. Flint App Con 126.3 122.5R 119.5 111.6T 109.9T ILS 109.9 I-FNT Apch Brg 091° LOM: 269/FN Flint (L)BVORTAC 111.6/FNT on Ad.					
GRAND RAPIDS					
\$KENT COUNTY IFR 6 SE 793 H66/8-26(2) (Max-45) BL6,8A,9,14 S5 F4, JPI U2 RVV: Rwy 26 RVR: Rwy 26. Tower 119.3 122.5R Gnd Con 121.9 VFR ADV Inbd VHF equipped acft ctc App Con on 124.6 10 mi out. Grand Rapids App Con 124.6 122.5R 109.7T ILS 109.7 I-GRR Apch Brg 262° LOM: 263/GR (L)BVOR 110.2/GRR 351° 5.7 NM to Ad. Remarks: Glide slope unusable below 970' MSL.					
GRAND MARAIS RBn HW 341/GMI FSS: MARQUETTE					
GROSSE ILE RBn HW 414/NFB FSS: DETROIT					
HOUGHTON (L)BVOR 112.8/CMX FSS: HOUGHTON RBn H-SAB 227(0)/CMX					
IRON MOUNTAIN (L)BVOR 111.2/IMT FSS: MARQUETTE					
IRONWOOD (L)BVOR 108.8/IWD FSS: MARQUETTE					
JACKSON					
\$REYNOLDS MUNI IFR 2W 1000 H53/5-23(2) (S-60, T-80, TT-) BL5,11 S5 F4 U2 REIL: Rwy 23 (1200-0400Z) Remarks: Rwy 5 threshold displaced 559'. Rwy 31 threshold displaced 475'. Jackson Tower 120.7 122.5R 109.6 Gnd Con 121.9 Cmc Del 121.9 Jackson (L) BVORTAC 109.6/JXN on Ad. Jackson RBn MHW 281/JXN Remarks: Twr oper 1200-0400Z.					
\$KALAMAZOO MUNI IFR 1SE FSS: SOUTH BEND (DL) 874 H53/17-35(3) (S-30, T-50, TT85') BL4,6,8A,9 S5 F4 JPS Remarks: (S-40, T-65, TT-110) avail rwys 5-23 & 9-27. 42' lgt obstr lctd aprxly 1100' S and 75' W apch end rwy 35 til aprxly May 1966. Tower 118.3 122.7R 362T Gnd Con 121.7 Battle Creek App Con 121.2 ILS ¹ 110.9 I-AZO Apch Brg 352° LOM: 371/AZ (L) BVOR 109.0/AZO on Ad. Remarks: Oper 1200-0400Z. ³ Glide slope unusable below 1062'.					
KEELER (L) BVOR 115.1/ELX FSS: SOUTH BEND					
KINCHELOE (L) VOR 108.6/INR RBn MHW 410/IN FSS: SAULT STE. MARIE					
LANSING					
\$CAPITAL CITY IFR 3NW 859 H65/9-27(2) (S-30, T-40, TT) BL5,6,8A,11 S5 F4, JPI RVV: Rwy 27 REIL Rwy 6 Remarks: 1037' (1889' MSL) twr 8 NM ESE and 1023' (1923' MSL) twr 10 NM ESE. Tower unable to see all areas of arpt. Lansing Tower 119.9 122.5R 110.8T 110.1T Gnd Con 121.9 Lansing App Con 125.9 122.5R 110.8T 110.1T VFR ADV Ctc App Con on 125.9 aprx 25 NM out. ILS 110.1 I-LAN Apch Brg 273° LOM: 219/LA Lansing (L) BVOR 110.8/LAN 054° 5.4 NM to Ad.					

MICHIGAN—Continued

LITCHFIELD (L) BVORTAC 111.2/LFD	FSS: JACKSON	
MANISTEE RBn HW 375/MBL	FSS: TRAVERSE CITY	
MARQUETTE (L) BVOR 109.0/MQT	FSS: MARQUETTE	
MENOMINEE (L) BVOR 109.6/MNM	FSS: GREEN BAY	
MT. PLEASANT (L) BVOR 109.8/MOP	FSS: SAGINAW	
\$MUSKEGON CO IFR 4S	FSS: MUSKEGON on Ad 628 H56/14-32(3) (S-40, T-65, TT-110) BL6,8A,9 S5 F4 U2 RVR: Rwy 32 Remarks: Rwy 36 threshold displaced 300'. Rwy 14 threshold displaced 300'. Tower 121.1 122.5R Gnd Con 121.9 VFR ADV Ctc App Con aprx 25 mi out on 118.2 App Con 118.2 122.5R 115.2T 109.9T ILS ¹ 109.9 I-MKG Apch Brg 317° BC unusable LOM: 219/MK (L) BVORTAC 115.2/MKG 8.4 NM to Ad Remarks: ¹ Glide slope unusable below 828' MSL.	
PECK (H) BVORTAC 114.0/ECK	FSS: FLINT	
PELLSTON (L) BVOR 111.8/PLN	FSS: PELLSTON RBn (H) 332/PLN	
\$PONTIAC MUNI IFR 5W	FSS: DETROIT (DL) 974 H53/9-27(3) (S-40, T-65, TT-110) BL6 S5 F4 U2 Tower 120.5 122.5R 275Tx Gnd Con 121.9 (L) BVORTAC 111.0/PTK Remarks: Oper 1200-0400Z.	
PULLMAN (H) BVORTAC 112.1/PMM	FSS: SOUTH BEND	
REED CITY RBn MHW 275/RCT	FSS: MUSKEGAN	
SAGINAW		
\$TRI CITY IFR 9NW	FSS: SAGINAW on Ad 667 H56/5-23(2) BL6,11 S5 F4, JPS Remarks: REIL rwy 5. Tower 120.1 122.5R Gnd Con 121.9 App Con: 120.1 112.9T 122.5R (L) BVORTAC 112.9/MBS on Ad. VHF/DF avail ctc FSS. Remarks: Oper 1200-0400Z.	
SALEM (L) BVORTAC 114.3/SVM	FSS: DETROIT	
\$SAULTE STE MARIE MUNI IFR 1SW AOE		
722 H50/14-32(1) BL5, 11 S3 F4 FSS: SAULT STE MARIE on Ad REIL: Rwy 14. VFR ADV: Ctc Kincheloe for APP CON/DEP CON on 119.0. ILS 110.3 I-INR Apch Brg 154° LOM: 410/IN (H) BVORTAC 112.2/SSM 337° 4.2 NM to Ad. RBn H-SAB 400(0)/SSM 313° 2NM to Ad.		
SAWYER (H) VOR 117.5/SAW	FSS: MARQUETTE RBn HW 359/SAW	
SELFRIIDGE (L) VOR 113.4/MTC	FSS: DETROIT	
THREE RIVERS RBn MHW 407/HAI	FSS: JACKSON	
TRAVERSE CITY (L) BVOR 112.4/TVC	FSS: TRAVERSE CITY RBn H-SAB 365(0)/TVC	
WHITE CLOUD (L) BVOR 117.6/HIC	FSS: MUSKEGON	
WHITEFISH (L) BVOR 116.6/FSP	FSS: SAULT STE MARIE	
MINNESOTA		
ALEXANDRIA (L) BVOR 112.8/AXN	FSS: ALEXANDRIA	
AUSTIN (T) BVOR 108.8/AUM	FSS: ROCHESTER	
BAUDETTE (L) BVOR 111.6/BDE	FSS: HIBBING	
BEMIDJI (L) BVOR 108.6/BJI	FSS: HIBBING	
BRAINERD (L) BVOR 109.2/BRD	FSS: ALEXANDRIA	

MINNESOTA—Continued

DARWIN (I) BVOR	109.0/DWN	FSS: MINNEAPOLIS
\$DULUTH INTL IFR	SNW (AOE)	FSS: HIBBING
1429 H101/9-27(3) (S-80, T-112.5, TT-205)	BL4,6,8A,9,10	
FS, JP4 DT2 VASI: Rwy 27 RVR: Rwy 9-27		
Remarks: Jet barrier 2650' from apch end rwy 9 and 600' from apch end rwy 27. 1000' overruns rwy 9-27.		
Tower 118.3 122.5R	Gnd Con 121.9	
Radar Services: (BCN)		
App Con 125.8 122.5R 112.6T 110.3T		
Dep Con 126.2		
Tfc Info Ctc App Con on 125.8		
PAR Rwy 9 Ceil 200 Vsby 1/2 mi Min Alt 1629		
Rwy 27 Ceil 300 Vsby 3/4 mi Min Alt 1729		
ASR Rwy 9 Ceil 400 Vsby 1 mi Min Alt 1829.		
Rwy 27 Ceil 500 Vsby 1 mi Min Alt 1929.		
ILS ¹ 110.3 I-DLH Apch Brg 087° LOM: 379/DLH		
VHF/DF available, contact Tower.		
(H)VORTAC 112.6/DLH 012° 2.2 NM to rwy 3.		
RBn H-SAB 379°/DLH 087° 5.6 NM to rwy 9.		
Remarks: Actg arriving Duluth with proper freq are requested to make initial ctc with Duluth App Con at least 15 min out on 125.8 regardless of wx. LOM is H-SAB. ¹ Glide slopes unusable beyond 12NM.		
EVELETH (I) BVOR	108.2/EVM	FSS: HIBBING
FERGUS FALLS (I) BVOR	110.4/FFM	FSS: ALEXANDRIA
Remarks: State owned. VFR use only.		
FAIRMONT (I) BVOR	110.2/FRM	FSS: MASON CITY
FARMINGTON (I) BVOR	115.7/FGT	FSS: MINNEAPOLIS
GRAND RAPIDS (I) BVOR	111.4/GPZ	FSS: HIBBING
Remarks: VFR use only		
HIBBING (I) BVOR	110.8/HIB	FSS: HIBBING
INTERNATIONAL FALLS (I) BVOR	111.0/INL	FSS: HIBBING
MANKATO (I) BVOR	110.8/MKT	FSS: MINNEAPOLIS
MINNEAPOLIS		
\$CRYSTAL IFR	8NW	FSS: MINNEAPOLIS (DL)
869 H32/13L-31(2) (S-21)	BL5 SS F4	
Remarks: Grass strips clsd winters. Portions of arpt not visible from twr. Threshold rwy 5L-23R displaced 400' landing distance available 2100'.		
Tower 120.7 122.5R	Gnd Con 121.9	
Radar Services:		
Minneapolis App Con 120.0 121.2 126.5 122.7R		
Minneapolis Dep Con 119.3		
Tfc Info Ctc Minneapolis App Con 126.5.		
Remarks: ¹ Oper 1200-0400Z.		
\$FLYING CLOUD IFR	11SW	FSS: MINNEAPOLIS (DL)
909 H36/9L-27R(3) (S-14)	BL5,11 SS F4	
REIL: Rwy 9L		
Tower ¹ 118.1 122.5R	Gnd Con 121.7	
Radar Services:		
Minneapolis App Con 120.0 121.2 126.5 122.7R		
Minneapolis Dep Con 119.3		
Tfc Info Ctc Minneapolis App Con 126.5.		
(I) VOR 111.8/FCM at fid.		
Remarks: ¹ Oper 1200-0400Z.		
\$MINNEAPOLIS-ST PAUL INTL IFR	6S	FSS: MINNEAPOLIS on Fld
840 H100/11R-29L(3) (S-110, T-150, TT-270)	BL6,8A,9,10,11	
SS, JP1, JP4 U2 VASI: Rwy 11R RVR: Rwy 4 RVR: Rwy 29L		
REIL Rwy 11R, 22		
Remarks: First 1000' NE end rwy 4-22 clsd to non-mil act. Rwy 11L-29R threshold displaced 610' SE. Twr unable to see all areas of arpt. Navy emergency chain arresting gear in-		

MINNESOTA—Continued

stalled both ends 11R/29L and 4-22.		
Minneapolis Tower 118.7 126.2 122.7R	Gnd Con 121.9	
Circ Del 119.55		
Radar Services: (BCN)		
Minneapolis App Con 120.0 126.5 122.7R 121.2		
117.3T 111.8T 110.3T 109.3T 108.6T		
Minneapolis Dep Con 119.3		
Tfc Info Ctc App Con on 126.5		
PAR Rwy 29L Ceil 300 Vsby 3/4 mi Min Alt 1140		
ASR Rwy 11R 29L Ceil 400 Vsby 1 mi Min Alt 1240		
Rwy 22 Ceil 600 Vsby 1 mi Min Alt 1440.		
Rwy 4 Ceil 500 Vsby 1 mi Min Alt 1340		
ILS 110.3 I-MSP Apch Brg 295° LOM: 266/MS		
109.3 ¹ I-APL Apch Brg 039° LOM: 338/AP		
VHF/DF available, contact FSS.		
(H) BVORTAC 117.3/MSP 154° 16.5NM to fid.		
RBn H-SAB 266°/MSP 287° 2.4NM to fid.		
Remarks: CAUTION—on apch to rwy 11R do not descend below 1400' until radar controller has advised passing twr 2.5 from apch end rwy 11R. ¹ BC unusable beyond 16 nmi. VOT: 111.0. LOM is H-SAB effective May 13.		
NODINE (H) BVORTAC 117.9/ODI	FSS: LaCROSSE, WIS.	
PARK RAPIDS (I) BVOR 110.6/PKD	FSS: GRAND FORKS	
REDWOOD FALLS (I) BVOR 113.3/RWF	FSS: REDWOOD FALLS	
SROCHESTER MUNI IFR 7S	FSS: ROCHESTER on Fld	
1310 H64/13-31(2) (S-126, T-159, TT-260)	BL4,6,8A,9,SS F4, JP4	
U2 RVR: Rwy 31		
Tower 118.3 122.5R 121.9 278Tx	Gnd Con 121.9	
VFR ADV Ctc App Con on 119.8		
App Con 119.8 122.5R 112.0T 109.9T		
ILS 109.9 ¹ I-RST Apch Brg 307° LOM: 254/RS		
(I) BVOR/DME 112.0/RST 025° 8.3NM to fid.		
Remarks: ¹ Lclzr front crs unusable beyond 20 nmi.		
ST. CLOUD (I) BVOR 111.6/STC	FSS: MINNEAPOLIS	
Remarks: VFR use only.		
ST PAUL		
\$ST PAUL-DOWNTOWN IFR	1S	FSS: MINNEAPOLIS (DL)
703 H55/12-30(3) S-54, T-87, TT-160	BL2,5,11 SS FS, JP5 U2	
REIL: Rwy 30		
Remarks: 4562' avbl lndg rwy 12. NE-SW rwy used as txwy.		
St. Paul Tower 119.1 122.5R	Gnd Con 121.7	
Radar Services:		
Minneapolis App Con 120.0 121.2 126.5 122.7R		
117.3T 111.8T 110.3T 109.3T 266T		
Minneapolis Dep Con 119.3		
Tfc Info Ctc Minneapolis App Con on 126.5.		
St. Paul (I)VOR 108.6/STP 289° 4.6NM to fid.		
Remarks: ¹ Oper 1200-0400Z.		
THIEF RIVER FALLS (I) BVOR 108.4/TVF	FSS: GRAND FORKS	
TWIN CITIES RBn MHW 282/NJU		
WILLMAR (I) VOR 108.4/ILL	FSS: REDWOOD FALLS	
WINONA (I) BVOR 111.4/ONA	FSS: LA CROSSE	
WORTHINGTON (I) BVOR 110.6/OTG	FSS: REDWOOD FALLS	

MISSISSIPPI

CALEDONIA (I) VORW	114.9/CBM
COLUMBUS (I) BVORTAC	116.2/UBS
GREEN COUNTY (I) BVOR	110.4/GCV
GREENVILLE (I) BVOR	110.2/GLH
	FSS: GREENWOOD

MISSISSIPPI—Continued

GREENWOOD (H) BVORTAC	114.7/GRW	FSS: GREENWOOD
GULFPORT MUNI IFR	3NE	FSS: MOBILE (LC 436-4242)
28 H90/13-31(3)	(S-80, T-120, TT-210)	BL4,6 SS F5, JP1 U2
Remarks: Arrest barrier in oper on Rwy 13-31. J-bar avbl Rwy 13-31 on 5 min notice. 1000' overruns ea end Rwy 13-31.		
Tower 121.3 122.5R 109.0T	Gnd Con 121.9	
App Con 124.6 122.5R 109.0T		
(H) BVORTAC 109.0/GPT on Ad.		
HATTIESBURG (L) BVORTAC	110.6/HBG	FSS: McCOMB
HOLLY SPRINGS (L) BVOR	112.4/HLI	FSS: MEMPHIS
JACKSON		
SHAWKINS FIELD IFR	2NW	FSS: JACKSON
343 H54/16-34(2) (Max 47)	BL4,6 SS F4 JP1 U2	
Remarks: 1529' (1949') twr 10 NM SW 1615' (1949') twr 10 NM WSW. SW 1615' (1949') twr 10 NM WSW.		
Tower ¹ 118.7 126.2 122.5R 121.5 278T		
Radar Services:		
Jackson App Con 123.9 ¹ 125.2 ²		
Jackson Dep Con 123.9 125.2		
Jackson RBn H-SAB 2600/JAN 183° 2.3NM to Ad.		
Remarks: 133°-152°. 153°-332°. 1200-0400Z.		
THOMPSON FIELD IFR	SE	FSS: JACKSON on Fld
345 H85/15L-33R(2)	(S-120, T-150, TT-265)	BL6,8 SS
F5, JP1 U2 RVV: Rwy 15L.		
Jackson Tower 120.9 126.2 122.7R 348T	Gnd Con 121.7	
Radar Services: (BCN)		
Jackson App Con 125.2 ¹ 123.9 ²		
Jackson Dep Con 125.2 ¹ 123.9 ²		
ASR RWys 15L, 33R Ceil 400 Vsby 1 mi Min Alt 745		
Tfc Info: Ctc App Con		
ILS ¹ 110.5 I-JAN Apch Brg 153° LOM: 365/JA		
Jackson (H) BVORTAC 112.6/JAN 152° 11.7NM to rwy 15L.		
Remarks: 153°-332°. 333°-152°. "Glide slope unusable below 485'.		
KIESLER RBn HW	391/BIX	FSS: MOBILE
KEWANEE (L) BVOR	113.8/EWA	FSS: MERIDIAN
LAUREL (L) BVOR	108.6/LUL	FSS: MERIDIAN
McCOMB (H) BVORTAC	116.7/MCB	FSS: McCOMB
MERIDIAN		
KEY FIELD IFR	3SW	FSS: MERIDIAN on Fld
297 H80/1-19(2) (S-45, T-120, TT-220)	BL6 S3 F4, JP3	
RVV: Rwy 01		
Remarks: Transmissometer rwy 1. Rwy lghts on request after midngt. Jet barrier rwy 1-19. Servicing Fee after 7 P.M.		
Tower ¹ 118.2 126.2 122.5R	Gnd Con 121.9	
Radar Services: (BCN)		
Meridian App Con 120.5		
Meridian Dep Con 124.8		
ILS 110.1 I-MEI Apch Brg 004° BC unusable LOM: 356/ME		
Meridian (H) BVORTAC 117.0/MEI 129° 3.5NM to Ad.		
Remarks: Twr oper 1300-0500Z. Glide slope unusable below 384' MSL.		
NATCHEZ (L) BVOR	110.0/HEZ	FSS: McCOMB
NAVY MERIDIAN RBn MHW	344/NMM	
PICAYUNE (L) BVOR	112.2/PCU	FSS: NEW ORLEANS
TUPELO (L) BVOR	109.8/TUP	FSS: MUSCLE SHOALS

MISSOURI

BLACKWATER (L) BVOR	110.6/BWR	FSS: COLUMBIA
BLUE SPRINGS (L) BVOR	113.6/BSP	FSS: KANSAS CITY
Remarks: Class to be (L) BVORTAC May 18.		
BUTLER (H) BVORTAC	115.9/BUM	FSS: KANSAS CITY
CAPE GIRARDEAU (L) BVOR	112.9/CGI	FSS: CAPE GIRARDEAU
COLUMBIA (T) BVOR	111.2/CBI	FSS: COLUMBIA
DOGWOOD (L) BVOR	109.4/DGD	FSS: SPRINGFIELD
FARLEY RBn MHW	290/FRY	FSS: KANSAS CITY
FARMINGTON (H) BVORTAC	115.7/FAM	FSS: CAPE GIRARDEAU
FORNEY (L) VOR	110.0/TBN	FSS: VICHY
RBn MH 391/TBN		
HALLSVILLE (L) BVOR	115.4/HLV	FSS: COLUMBIA
Remarks: To be (L) BVORTAC May 20.		
JEFFERSON CITY (L) BVOR	110.2/JEF	FSS: COLUMBIA
JOPLIN MUNI IFR	4NE	FSS: JOPLIN on Fld
980 H55(3) BL4,6 SS F4 U1		
Remarks: 999' (2049' MSL) twr 5 NM SSW.		
ILS ¹ 110.3 I-JLN Apch Brg 131° LOM: 219/JL		
Remarks: BC unusable within 1.5NM end of rwy. Satisfactory for missed apchs. Front crs unusable below 1158' MSL. 999' (2049' MSL) twr 5NM SSW.		
KANSAS CITY		
\$MID-CONTINENT INTL IFR	15NW	FSS: KANSAS CITY
1011 H90/18-36(1) (S-100, T-188, TT-350)	BL6,8A,9	
RVR: Rwy 36		
Tower 120.7 122.4R	Gnd Con 121.8	
Radar Services:		
Kansas City App Con 118.9 ¹ 126.2 122.7R 121.1 ²		
112.6T 109.9T	Kansas City Dep Con 118.1	
Tfc Info Ctc Kansas City App Con.		
ILS 110.5 I-MCI Apch Brg 005° LOM: 359/MK		
RBn H-SAB 359/MK 005° 4.4 to rwy 36.		
Remarks: 'E sector. 'W sector.		
KANSAS CITY MUNI IFR	4N	FSS: KANSAS CITY on Fld
758 H70/18-36(3) (S-110, T-165, TT-365)	BL4,6,8A,9,11,13	
SS F4, JP1 U2 RVV: Rwy 18 REIL: Rwy 36		
Remarks: Rwy 35 usable daylight hrs only. 1042' (2049' MSL) twr 3.5NM S and 1023' (1946' MSL) twr 4.5NM ESE. Tfc pain acft under 12,500 lbs is 800' AGL. Lead-in lghts rwy 36.		
Tower 118.3 126.2 122.7R 121.1 111.4T	Gnd Con 121.9	
Radar Services: (BCN)		
App Con 118.9 ¹ 126.2 122.7R 121.1 ² 112.6T 109.9T		
Dep Con 118.1		
Tfc Info: Ctc App Con		
PAR Rwy 18 Ceil 400 Vsby 1 mi Min Alt 1158.		
ILS ¹ 109.9 I-MKC Apch Brg 187° BC unusable LOM: 219/MK		
(H) BVORTAC 112.6/MKC 171° 8.7NM to Ad.		
Riverside (T) BVOR 111.4/RIS on Ad.		
VHF/DF available, contact tower.		
Remarks: Acft approaching from 001-180° use 118.9 and/from 179°-360° 121.1. Radar advisories avbl. 'E sector. 'W sector. ASR apch not auth. 'Glide slope unusable below 1014' MSL. Front crs unusable beyond 20 NM. VOT: 108.6.		
KIRKSVILLE (H) BVORTAC	114.6/IRK	FSS: KIRKSVILLE
LAKE RBn HW	385/LAQ	FSS: ST. LOUIS
MACON (L) BVOR	112.9/MCM	FSS: KIRKSVILLE
MALDEN (L) BVOR	111.2/MAW	FSS: CAPE GIRARDEAU
MAPLES (L) BVORTAC	113.4/MAP	FSS: VICHY
MARSHALL (L) BVOR	109.6/MHL	FSS: COLUMBIA

MISSOURI—Continued

MARYLAND HEIGHTS (L) BVORTAC	110.8/MTS	FSS: ST LOUIS
NEOSHO (L) BVOR	116.6/EOS	FSS: JOPLIN
READSVILLE (L) BVOR	112.0/REA	FSS: COLUMBIA
RICHARDS-GEBAUR (L) VOR	111.0/GVW	FSS: KANSAS CITY
RICHWOODS (L) BVOR	109.2/RCW	FSS: ST. LOUIS
ST JOSEPH		
§ROSECRANS MEMORIAL IFR	3WNW	FSS: KANSAS CITY (DL)
826 H80/17-35(3) (S-60, T-160, TT-250)	BL4,6,8 S5 F4	
RVV: Rwy 35		
Tower 119.9 122.5R	Gnd Con 121.9	
Kansas City App Con 121.1 126.2 122.7R 118.9		
Kansas City Dep Con 118.1		
ILS 110.3 I-STL Apch Brg 352° LOM: 260/ST		
(L) BVORTAC 108.2/STL 167° 10.7NM to fd.		
ST. LOUIS		
§LAMBERT-ST LOUIS IFR	10NW	FSS: ST. LOUIS on Fld
571 H100/12R-30L(4) (Max 75) ¹	BL4,6,8A,9,12 S5 F4,	
JP1, JPS U2 DT2 RVV: Rwy 24		
Remarks: ¹ [Max-100] rwy 17-35. Arresting gear rwy 12R-30L.		
Threshold lghts permly reld 476' SE apch end rwy 12R.		
St. Louis Tower 118.5 126.2 122.7R	Gnd Con 121.9	
#Climc Del 119.5		
Radar Services:		
St. Louis App Con 126.5 ¹ 123.7 118.1 ²		
117.4T 110.3T 109.7T St. Louis Dep Con 119.9		
Tfc Info Ctc St. Louis App Con.		
PAR ⁴ Rwy 24 Ceil 200 Vsby ½ mi Min Alt 771.		
ASR Rwy 6, 17, 24, 30L, 35 Ceil 500 Vsby 1 Min Alt 1071.		
Rwys 12L, 30R Ceil 500 Vsby 1½ mi Min Alt 1071.		
Rwy 12R Ceil 400 Vsby 1 mi Min Alt 971.		
ILS 110.3 I-STL Apch Brg 238° LOM: 404/ST		
109.7 I-LMR ³ Apch Brg 117° LOM: 338/LM		
VHF/DF available, contact tower.		
St. Louis (H) BVORTAC 117.4/STL 138° 8.0NM to fd.		
St. Louis RBn (H-SAB) 338 ¹ /LM 117° 5.3NM to fd.		
Remarks: ¹ Southeast arrivals. ² Northwest arrivals. ³ Front and BC unusable beyond 17 NM below 2400' MSL. ⁴ Radar monitoring of instrument apchs only at pilot's request.		
VOT: 111.0 LOM is H-SAB.		
§SPIRIT OF ST. LOUIS 20W		FSS: ST. LOUIS
457 H51/7-25(1) (S-30) BL6 S5 F4 DT2		
Remarks: Special Air Traffic Rules—Part 93, Subpart G in effect.		
Rgt Ifc rwy 7. When twr clsd tkoff W only, Indgs not authorized.		
Tower ¹ 121.3 122.5R 121.5X Gnd Con 121.7		
St. Louis App Con 126.5 ² 118.1 ³		
VFR/ADV Ctc App Con St. Louis, Lambert-St. Louis.		
Remarks: ¹ Oper 1300-0400Z. ² Southeast arrivals. ³ Northwest arrivals.		
§SPRINGFIELD MUNI IFR 5NW		FSS: SPRINGFIELD on Fld
1267 H56/1-19(2) (S-65, T-95, TT-165) BL5,6,8A,9 S5		
FS, TPI RVV: Rwy 1		
Tower 119.9 122.5R	Gnd Con 121.9	
VFR ADV 125.8		
App Con 125.8 122.5R 116.9T 109.9T		
ILS ¹ 109.9 1-SGF Apch Brg 015° LOM: 404/SG		
(H) BVORTAC 116.9/SGF 193° 6.8NM to fd		
RBn H-SAB 254 ¹ /SGF 137° 3.6NM to fd		
Remarks: ¹ Glide slope unusable below 1325 ft MSL.		
VICHY (L) BVORTAC 117.7/VIH		FSS: VICHY
WHITEMAN (L) VOR	109.0/SZL	FSS: COLUMBIA
RBn HW 314/SZL		

MONTANA

BILLINGS		
§LOGAN FIELD IFR	2NW	FSS: BILLINGS on Fld
3606 H86/9-27(3) (S-130, T-200, TT-400) BL2,6,8A,9 S5		
FS, JP1, JP4 U2 RVV: Rwy 9		
Remarks: 1000' overrun each end rwy 9-27.		
Billings Tower 118.3 122.5R		
VFR ADV: 120.5		
Billings Gnd Con 121.9		
Billings App Con 120.5 122.5R 114.5T		
ILS ¹ 110.3 I-BIL Apch Brg 095° LOM: 251/B1		
Billings (H) BVORTAC 114.5/BIL 070° 3.2NM to fd		
Billings RBn H-SAB 400 /BIL 243° 1.4NM to fd		
VHF/DF: Avail ctc FSS.		
Remarks: ¹ Not approved for auto apchs.		
BOZEMAN (L) BVOR	112.2/BZN	FSS: BOZEMAN
RBn H-SAB 329 ¹ /BZN		
BUTTE (L) BVOR	111.6/BTM	FSS: BUTTE
CUT BANK (L) BVOR	114.4/CTB	FSS: CUT BANK
RBn ¹ BH 263/CTB		
Remarks: ¹ VFR use only.		
DILLON (H) BVORTAC	113.0/DLN	FSS: DILLON
RBn ¹ BH 379/DLN		
Remarks: ¹ VFR use only.		
DRUMMOND (L) BVOR	117.1/DRU	FSS: MISSOULA
GLASGOW (H) VOR	113.9/GSG	FSS: MILES CITY
RBn H 236/GSG		
§GREAT FALLS INTL IFR	3SW	FSS: GREAT FALLS on Fld
3671 H90/3-21(4) (S-60, T-80, TT) BL4,6,8 S5 FS,JP1		
U2 RVV: Rwy 16, 34		
Remarks: Rwy 7-25 not authorized to acft over 64,000 lbs GWT.		
Jet barrier rwy 3-21.		
Tower 118.7 126.2 122.5R	Gnd Con 121.9	
Radar Services: (BCN)		
App Con 118.1 134.1 126.2 122.7R 122.5R 121.1		
119.3 116.3T Dep Con 121.1		
Tfc Info Ctc App Con on 118.1 119.3 or 122.7R		
ASR Rwy 21 Ceil 400 Vsby 1 mi Min Alt 4071		
Rwys 3, 34 Ceil 500 Vsby 1 mi Min Alt 4171		
ILS 110.3 I-GTF Apch Brg 341° BC unusable LOM: 407/GT		
(H) BVORTAC 115.1/GFT 026° 1.9 NM to fd		
RBn H-SAB 371/GTF 009° 0.9 NM to fd		
§HELENA IFR	2NE	FSS: HELENA on Fld
3873 H70/8-26(3) (S-90, T-120, TT-200) BL 5,11 S5 FS,		
JP1 U2 REIL rwy 26		
Remarks: Rwy 11-29 clsd to acft over 100,000 lbs GWT.		
Rgt Ifc W, SW, NW. Fee for commercial acft only.		
Tower 118.3 122.5R	Gnd Con 121.9	
App Con 118.3		
(H) BVORTAC 117.7/HLN at fd.		
KALISPELL (L) BVOR	108.4/FCA	FSS: MISSOULA
LEWISTOWN (H) BVORTAC	112.0/LWT	FSS: LEWISTOWN
RBn ¹ SBH 353/LWT		
Remarks: ¹ VFR use only.		
LIVINGSTON (L) BVORTAC	116.1/LVM	FSS: LIVINGSTON
RBn ¹ BH 224/LVM		
Remarks: ¹ VFR use only.		
MILES CITY (H) BVORTAC	112.1/MLS	FSS: MILES CITY
Rbn (H-SAB) 320 /MLS		
§MISSOULA CO IFR	4NW	FSS: MISSOULA on Fld
3203 H-70/11-29(3) (S-90, T-115, TT-180) BL6 S5 F4 U2		
Tower ¹ 118.5 122.5R	Gnd Con 121.9	
(L) BVORTAC 112.8/MSO at fd		

MONTANA—Continued

RBN H-SAB 308°/MSO 121° 1.4 NM to rnwy 11.
Remarks: ¹Oper 1300-0500Z.

WHITEHALL (H) BVORTAC 113.7/HIA **FSS: BUTTE**

NEBRASKA

ALLIANCE (T) BVOR¹ 111.8/AIA **FSS: SCOTTSBLUFF**

RBN HW 287/AIA

Remarks: ¹Owned by State.

BEATRICE (T) BVOR 110.6/BIE **FSS: LINCOLN**
Remarks: Owned by State.

CHADRON (L) BVOR 113.4/CDR **FSS: CHADRON**
RBN BH¹ 275/CDR
Remarks: ¹ Owned by State.

COLUMBUS (T) BVOR 110.4/OLU **FSS: LINCOLN**
Remarks: Owned by State.

GORDON RBN HW 293/GRN **FSS: CHADRON**
Remarks: Owned, operd by State.

GRAND ISLAND MUNI IFR 4NE **FSS: GRAND ISLAND** on Fld
1846 H72(3) (S-42, T-65, TT-125) BL5,6,8A,9 S5 U-1 F5, JP-1
Remarks: 1000' asphalt overrun both ends rnwy 17-35. BAK/12
arresting gear lctd 90' in overrun rnwy 35 and 80' in overrun
rnwy 17.
Tower² 118.1 122.5R
(L) BVORTAC 112.0/GRI 170° 0.4 NM to rnwy 17.
Remarks: ¹Oper 1200-0359Z.

HASTINGS (T) BVOR¹ 108.8/HSI **FSS: GRAND ISLAND**
RBN HW 338/HSI
Remarks: Owned by State

HAYES CENTER (H) BVORTAC 117.7/HCT **FSS: IMPERIAL**

HOLDREDGE RBN HW 396/HDE **FSS: GRAND ISLAND**
Remarks: Owned by State.

IMPERIAL RBN BH 353/IML **FSS: IMPERIAL**
Remarks: Owned by State

JACKSON RBN MHW 233/JKN **FSS: SIOUX CITY CS/T**

KEARNEY (T) VOR 111.2/EAR **FSS: GRAND ISLAND**
Remarks: Owned by state.

LINCOLN MUNI/AFB IFR 4NW **FSS: LINCOLN** on Fld
1198 H129/17R-35L(2)¹ (Max-15) BL6,8A,9,11 S5
F5,JP1 RVV: Rwy 35L REIL: Rwy 17R
Remarks: ¹All civ acft use 4000' rnwy 17L-35R except Max 30,
BL6 in actual IFR conditions or when acft manufacturers' recom-
mendations rqr the use of rnwy 17R-35L. Ctin-jet tfc. Rwy
17L-35R (S-31, T-50, TT-87)
Tower 118.5 122.5R **Gnd Con** 121.9
App Con 124.8 109.9T
ILS 109.9 I-LNK Apch Brg 351° **LOM:** 385/LN
RBN MHW 385/LN
Remarks: LOM is MHW. Radar vectoring service provided IFR
acft by Chicago ARTCC.

McCOOK (L) BVOR 110.0/MCK **FSS: NORTH PLATTE**
Remarks: Owned by State.

NORFOLK (L) BVOR 109.6/OFK **FSS: OMAHA**

NORTH PLATTE (L) BVORTAC 117.4/LBF **FSS: NORTH PLATTE**
RBN H-SAB 224°/LBF

OMAHA
SPEELEY AIRFIELD IFR 3NE **FSS: OMAHA** on Fld
983 H85/14-32(2) (S-180, T-200, TT-400) BL4,6,8A,9,11,12

NEBRASKA—Continued

S5 F5,JP1,JP4 TP1 RVV: Rwy 14. REIL: Rwy 35.

Remarks: US Customs Indg rghts arpt.

Omaha Tower 119.1 126.2 122.5R **Gnd Con** 121.9

Radar Services: (BCN)

Omaha App Con 120.1 125.7 122.5R

Omaha Dep Con 124.5 118.0

Tfc Info Ctc App Con on 120.1.

ILS¹ 110.3 I-OMA Apch Brg 136° **LOM:** 379/OM

Omaha (H) BVORTAC 116.3/OMA 310° 10.2 NM to rnwy 32

Omaha RBN H-SAB 320°/OMA 140° 4.4 NM to fd.

Remarks: ¹BC unusable beyond 16 NM. ²LOM freq to be 320
kc May 15.

O'NEILL (H) BVORTAC 113.9/ONL **FSS: GRAND ISLAND**

OSHKOSH RBN (HW) 233/OKS

Remarks: Owned by State.

PAWNEE CITY (H) BVORTAC 112.4/PWE **FSS: LINCOLN**

RAYMOND (L) BVORTAC 116.0/RAY **FSS: LINCOLN**

SCOTTSBLUFF (H) BVORTAC 112.6/BFF **FSS: SCOTTSBLUFF**

RBN SBH¹ 341/BFF

Remarks: ¹Operd by State.

SIDNEY (H) BVOR 115.7/SNY **FSS: SIDNEY**

VALENTINE RBN HW 314/VTN **FSS: OMAHA (day)**

Remarks: ¹Operd by State.

WOLBACH (H) BVORTAC 114.7/OBH **FSS: GRAND ISLAND**

NEVADA

BATTLE MOUNTAIN (H) BVORTAC 112.2/BAM **FSS: ELKO**

BEATTY (H) BVORTAC 114.7/BTY **FSS: TONOPAH**

BOULDER CITY (H) BVORTAC 116.7/BLD **FSS: LAS VEGAS**

COALDALE (H) BVORTAC 117.7/OAL **FSS: TONOPAH**

CURRENT (L) BVOR 113.4/URR **FSS: ELY**

ELKO (L) BVORTAC 114.5/EKO **FSS: ELKO**

RBN SABH 391°/EKO

ELY (L) BVOR 110.6/ELY **FSS: ELY**

HAZEN (L) BVORTAC 114.1/HZN **FSS: LOVELOCK**

INDIAN SPRINGS RBN HW 215/INS **FSS: LAS VEGAS**

LAS VEGAS

McCARRAN IFR S5 **FSS: LAS VEGAS** on fd.

2171 H125/7-25(3) (S-100, T-200, TT-380) BL4,6,10 S5

F5, TP1,JP4,JPS U2 DT2 VASI: Rwy 25

Remarks: Rwy 7 threshold displaced 750'W end. 11,795' avbl

Indg rnwy 7 and tgof rnwy 25 day/ngt. 12545' avbl Indg rnwy

25 and tkof rnwy 7 day/ngt. Rwy 1 threshold displaced 625'

SW end. 6878' avbl Indg rnwy 1 and tkof rnwy 19 day/ngt. 7503'

avbl Indg rnwy 19 and tgof rnwy 1 day/ngt. Rwy 32 threshold

displaced 379' SE end. 4021' avbl rnwy 32 day/ngt. 4400'

avbl tkof rnwy 32 day only. 4021' avbl tkof rnwy 32 ngt only.

4400' avbl Indg rnwy 14 day only. 4021' avbl Indg rnwy 14

ngt only. 4021' avbl tkof rnwy 14 day/ngt.

Tower 118.3 122.5R **Gnd Con** 121.9

Radar Services: (BCN)

Las Vegas App Con 121.1 125.9 122.5R 116.9T

Las Vegas Dep Con 119.4

Tfc Info Ctc App Con 30 mi out on 121.1.

ASR Rwy 25 Ceil 400 Vsby 1 mi Min Alt 2571.

Rwys 1,7¹ Ceil 600 Vsby 1 mi Min Alt 2771

Las Vegas (H) BVORTAC 116.9/LAS on fd.

Las Vegas RBN H-SABZ 206°/LAS 196° 8.5 NM to rnwy 19.

NEVADA—Continued

Remarks: 'Acft inbnd on FAP to rnwy 1 or 7 will descend not lower than 3100 until pilot is notified by RAPCON that he has passed a point 3 mi before the rnwy.

LOVELOCK (L) BVORTAC	116.5/LOL	FSS: LOVELOCK
MERCURY RBn HW	326/MCY	FSS: LAS VEGAS
MINA (L) BVOR	113.1/MVA	FSS: TONOPAH
MORMON MESA (L) BVORTAC	114.3/MMM	FSS: LAS VEGAS
MOUNT MOSES (L) BVORTAC	117.5/MMO	FSS: LOVELOCK
RENO MUNI IFR	2SE	FSS: RENO on Flg
4411 H90/16-34(2) (S-100, T-200, TT-350)	BL6,8A,9 S5	
F5, JP1, JP5 U2 DT2		
Remarks: A-gear each threshold rnwy 16-34.		
Tower	118.3 122.5R 278T	Gnd Con 121.9
App Con	119.2 117.9T 122.5R 254T	
ILS	109.3 I-RNO Apch Brg 162° LMM: 254/RNO	
(H) BVORTAC	117.9/RNO 229° 5.1 NM to fd.	
RBn SBH	254/RNO 161° 2.3NM to fd.	
Remarks: LMM is SBH.		

SOD HOUSE (L) BVOR	114.3/SDO	FSS: LOVELOCK
SPARKS RBn MHW	329/SPK	FSS: RENO
TONOPAH (L) BVORTAC	117.2/TPH	FSS: TONOPAH
WELLS (L) BVOR	114.2/LWL	FSS: ELKO
WILSON CREEK (H) BVOR	116.3/ILC	FSS: CEDAR CITY

NEW HAMPSHIRE

BERLIN RBn HW	281/BML	FSS: CONCORD
Remarks: Oper by State.		
CONCORD (L) BVORTAC	112.9/CON	FSS: CONCORD
KEENE (L) BVOR	109.4/EEN	FSS: CONCORD
RBn MHW ¹	224/EEN	
Remarks: 'Oper by State.		
LACONIA RBn MHW	400/LCI	FSS: MONTPELIER
Remarks: Oper by State.		
LEBANON (L) BVOR	113.7/LEB	FSS: LEBANON
MANCHESTER		
§GRENIER FIELD (MUNI) IFR	4S	FSS: CONCORD
		(LC 669-1641)
233 H70/17-35(2) (S-127, T-200, TT-400)	BL5,11 S3 F4	
U2 DT2 REIL: Rnwy 35		
Remarks: Severe down drafts apch end rnwy 35 when crosswinds exist.		
Grenier Tower ¹	121.3 126.2 122.5R	
ILS	108.3 I-MHT Apch Brg 352°	
Manchester (L) BVORTAC	114.2/MHT 337° 4.2 NM to fd.	
Manchester RBn MHW ²	338/MHT 352° 3.5NM to fd.	
Remarks: 'Oper 1000-0300Z. 'Oper by State.		
NASHUA RBn MHW	260/AMH	FSS: CONCORD
Remarks: Oper by State.		(LC 889-0301)
NORTH CONWAY RBn MHW	334/CWN	FSS: CONCORD
Remarks: Oper by State.		(LC 889-0301)
WHITEFIELD RBn MHW	272/HIE	FSS: LEBANON
Remarks: Oper by State.		

NEW JERSEY

ATLANTIC CITY		
\$NAFEC/ATLANTIC CITY (POMONA) IFR	9NW	
FSS: MILLVILLE (LC 399-8096)		
76 H100/13-31(4) (S-63, T-88, TT-160)	BL4,6,8A,9 S3 F5, JP4	
DT2		

NEW JERSEY—Continued

Remarks: Fee. BAK/9 arresting gear installed 2000' from threshold rnwy 13 and 1000' from threshold rnwy 31. Pendant 1½" steel cable stretched across rnwy 31; ½-4" above surface with rubber doughnuts extending 6" above surface. Pendant may gyrate.

Atlantic City Tower 119.5 122.5R Gnd Con 121.9

Radar Services: (BCN)

Atlantic City App Con 124.6 122.5R 119.5 108.6T

Atlantic City Dep Con 128.4

PAR Rnwy 13 Ceil 200 Vsby ½ mi Min Alt 276

Rnwys 4,31 Ceil 300 Vsby ¾ mi Min Alt 376

ASR Rnwys 4, 8, 13, 17, 22, 26, 31, 35 Ceil 500³ Vsby 1 mi Min Alt 576

ILS 110.5 I-ACY Apch Brg 128³ BC unusable LOM: 254/AC VHF/DF available, contact tower.

Atlantic City NAFEC VORTAC 111.3/XDB

Atlantic City NAFEC (L) VORTAC² 108.6/ACY at NAFEC

Remarks: '400 authorized for rnwy 13, 17, 22, 26, 31. 'TACAN unsuitable for apchs.

BARNEGAT (L) BVOR	116.7/BGT	FSS: MILLVILLE
CHATHAM RBn MHW	254/CAT	FSS: TETERBORO
COLTS NECK (L) VORTAC	115.4/COL	FSS: TETERBORO
COYLE (H) BVORTAC	113.4/CYN	FSS: MILLVILLE
LAKEHURST RBn HW	396/NEL	FSS: N. PHILADELPHIA
MILLVILLE (L) BVORTAC	115.2/MIV	FSS: MILLVILLE
Rng SBRAZ	363/MV	

\$MORRISTOWN MUNI IFR	2E	FSS: TETERBORO (LC JE8-2196)
187 H40/4-22(2) BL4, 6 SS F5, JP1 U2 DT2		
Remarks: Dips first 800' rnwy 22. Ngt trng fits by nonbased acft prohibited. Due obstns, ramp and twys not ctld by twr.		
Tower	118.1 122.7R	Gnd Con 121.7
Newark App Con	120.6 ³ 124.3 ³ 120.6 122.7R	
Newark Dep Con	119.2 127.6	
Remarks: 'Oper 1200-0400Z. '270-089° '090-269°		

\$NEWARK MUNI IFR	2 S	FSS: TETERBORO (DL)
18 H70/4-22(2) (S-115, T-200, TT-400) BL4, 6, BA, 9, 10, 11 SS F5, JP1 U2 DT2 REIL and VASI: Rnwy 29 RVB: Rnwy 4, 22 RVV Rnwy 11, 29		
Remarks: US Customs Indg rghts arpt. Fee. 1465' (1520' MSL) twr 9 NM ENE.		
Tower	118.3 126.2 122.7R 110.3T 109.3T 109.1T	
\$Climc Del	121.4	Gnd Con 121.9
Radar Services: (BCN)		
App Con	120.6 ³ 124.3 ³ 122.7R 110.3T 109.3T	
Dep Con	119.2 127.6	
Tfc Info	Inbnd tfc ctc App Con on 126.2 127.6 25 mi out.	
ASR	Rnwys 11, 29 Ceil 600 ³ Vsby 1 mi Min Alt 618 Rnwy 22 Ceil 900 Vsby 1 mi Min Alt 918	
ILS	110.3 I-EWR Apch Brg 037°. BC unusable. LOM: 359/EW ⁴ 109.1 I-ARK Apch Brg 217° LOM: 241/AR	
RBn H-SAB	379°/EWR 058° 1.0 NM to fd.	
VHF/DF	available, contact tower.	
Remarks: 'Rnwy 11-maintain 700' until passing the 2.5 mi radar fix '270-089° '090-269° 'LOM unusable beyond 12 mi 050-090°. VOT: 108.6		

PATERSON RBn MHW	347/PNJ	FSS: TETERBORO
ROBBINSVILLE (LIB)VORTAC	115.1/RBV	FSS: N. PHILADELPHIA
SEA ISLE (H)BVORTAC	114.8/SIE	FSS: MILLVILLE
SOLBERG (LIB)VORTAC	112.9/SBJ	FSS: TETERBORO
SPARTA (LIB)VORTAC	112.3/SAX	FSS: TETERBORO
STILLWATER (L) BVORTAC	109.6/STW	FSS: TETERBORO

NEW JERSEY—Continued

TEREBORO MUNI IFR	1 SW	FSS: TETERBORO on Fld
7 H50/6-24(3) S-50, T-80, TT-) BL4, 8 S5 F5, JP1 DT2		
Remarks: Fee. Clsd to jet and other acft over 80,000 lbs, motorless acft and uncontrolled acft activity except prior permission.		
Rwy 32 clsd tkoff, Rwy 14 clsd landings, nonstandard rwy lght avbl rwy 14-32 on request. White lghts N edge, blue lghts S edge.		
P-line NE. 1465' (1520' MSL) twr 7.5 NM SSE.		
Tower 119.5 122.5R	Gnd Con 121.9	
Radar Services:		
Newark App Con 120.6 124.3		
Newark Dep Con 119.2 127.6		
ILS 109.3 I-TEB Apch Brg 059° BC unusable LOM: 219/TE		
TRENTON		
MERCER COUNTY IFR	4 NW	FSS: N. PHILADELPHIA (LC. 882-1590)
213 H52/6-24(3) S-31.5, T-51, TT-) BL4, 11, 12, 1 S5 F4, JP4, 5 U2 DT2 REIL: Rwy 6		
Remarks: Fee. P-line SW. Acft using rwy 24 on tkof continue straight out to Delaware River before executing left turn. '1500' apch lgt sys.		
Trenton Tower 120.7 122.5R	Gnd Con 121.9	
Radar Services:		
Philadelphia App Con 127.2 ¹ 123.8 ² 122.7R 109.3T		
Philadelphia Dep Con 119.0 ¹ 128.55 ³		
ILS 111.3 I-TTN Apch Brg 045°	LOM: 369/TT	
Remarks: '270-089°. '090-269°.		
WOODSTOWN (LBVOR	112.8/00D	FSS: MILLVILLE

NEW MEXICO

ALAMOGORDA RBn HWZ	375/ALM	FSS: ROSWELL
SALBUQUERQUE-SUNPORT/KIRTLAND AFB IFR	3 SE	FSS: ALBUQUERQUE on Fld
5352 H127/8-26(4) (S-100, T-155, TT-445) BL4, 6, 8, 10 S5 F5, JP1 JP4 U2 VASI: Rwy 8 RVV: Rwy 35		
Remarks: First 1500' rwy 17 not visible to twr. Tkofs mwys 3 and 35 limited to conventional acft no larger than DC-3.		
Albuquerque Tower 118.3 126.2 122.5R 119.2	Gnd Con 121.9	
Climc Del 119.2		
Radar Services: (BCN)		
Albuquerque App Con 124.4 134.1 126.2 123.9 122.5R 121.1 113.2T 110.3T		
Albuquerque Dep Con 121.1		
Tfc Info Ctc App Con 25 mi out on 123.9.		
PAR ¹ Rwy 8 ¹ Ceil 300 Vsby 3/4 mi Min Alt 5652 ASR Rwy 3 ¹ , 8 ¹ , 17, 35 Ceil 400 Vsby 1 mi Min Alt 5752		
ILS 110.3 I-ABQ Apch Brg 350° LOM: 278/AB		
Albuquerque (H)BVORTAC 113.2/ABQ 077° 9.6 NM to Ad.		
Albuquerque RBn SABH 230 ¹ /ABQ 355° 2.6 NM to Ad.		
Remarks: '500-1 1/2, rqrd for civil jet acft. ² Radar monitoring of instrument apchs only at pilot's request. VOT: 111.0		
ANTON CHICO (LBVOR-DME	110.0/ACH	FSS: LAS VEGAS
CANNON (LBVOR	115.7/CVS	FSS: TUCUMCARI
RBn HW 272/CVS		
CARLSBAD (LBVOR	116.3/CNM	FSS: CARLSBAD
CIMARRON (H) BVORTAC	116.4/CIM	FSS: TRINIDAD
COLUMBUS (LBVORTAC	111.2/CUS	FSS: DEMING
CORONA (LBVOR	115.5/CNX	FSS: ALBUQUERQUE
DEMING (LBVOR	108.6/DMN	FSS: DEMING
FARMINGTON MUNI IFR	2 NW	FSS: FARMINGTON on Fld
5503 H67(2) (Max-60) BL4 S5 F4 U2		

NEW MEXICO—Continued

GALLUP (H)BVOR¹	115.1/GUP	FSS: ZUNI
Remarks: To be (H)BVORTAC May 1.		
GRANTS (LBVORTAC	116.5/GNT	FSS: GRANTS
SHOBBS, LEA COUNTY IFR	4 W	FSS: SHOBBS on Fld
3659 H63/3-21 (4) (S-115 T-200 TT-400) BL4, 6 S5 F4 TP1 U2		
Tower 118.3 126.2 122.5R	Gnd Con 121.9	
Hobbs (L) BVOR 111.0/HOB 031° 3.5 NM to rwy 3.		
HOLLOWAY (LBVORW	115.8/HMN	FSS: ROSWELL
LAS VEGAS (H) BVORTAC	117.3/LVS	FSS: LAS VEGAS
OTTO (L) BVOR	114.0/OTO	FSS: ALBUQUERQUE
PINON (L) BVOR	110.4/PIO	FSS: EL PASO
ROSWELL MUNI IFR	1 NW	FSS: ROSWELL on Fld
3623 H58/17-35(4) (S-42, T-60, TT-110) BL4 S5 F4 JP1		
Remarks: Rgt tfc mwys 12, 17, 21, 26. Due non-vsby some areas of Ad, ctc twr.		
Tower ¹ 118.5 122.5R	Gnd Con 121.9	
Walker App Con 123.8 126.2X 122.7R 120.2X		
Walker Dep Con 123.8 122.7R		
Tfc Info Ctc Walker App Con 30 mi out at 10,000 and below on 120.2		
(H) BVORTAC 116.1/ROW 028° 5.0NM to rwy 3.		
RBn BH 305/ROW 312° 7.9 NM to Ad.		
VHF/DF avbl, ctc FSS		
Remarks: 'Oper 1300-0500Z.		

SANTE FE COUNTY MUNI IFR	9 SW	FSS: SANTA FE on Fld
6344 H83/2-20 (3) (S-45, T-60, TT-) BL4 S5 F4, JP1 U2		
Tower 126.2 122.5R 119.5	Gnd Con 121.7	
(L) BVORTAC 110.6/SAF 332° 4.2 NM to Ad		
SOCORRO (H) BVORTAC	116.8/ONM	FSS: ALBUQUERQUE
TAOS (L) BVOR	117.6/TAS	FSS: SANTA FE
TRUTH OR CONSEQUENCES (H) BVORTAC	112.7/TCS	FSS: TRUTH OR CONSEQUENCES
TUCUMCARI (H) BVORTAC	113.6/TCC	FSS: TUCUMCARI
WALKER RBn MHW	396/LK	FSS: ROSWELL
ZUNI (LBVORTAC	113.4/ZUN	FSS: ZUNI

NEW YORK

ALBANY COUNTY IFR	6 NW AOE	FSS: ALBANY on Fld
288 H50/1-19 (3) (S-110, T-200, TT-400) BL4, 6, 8A, 9 S5		
FS, JP1 DT2 RVV: Rwy 19		
Remarks: Road S, trees SE. Rwy 15-33 unltd, clsd ngt opens and acft over 12,500 lbs.		
Tower 119.5 122.5R	Gnd Con 121.7	
Radar Services: (BCN)		
App Con 125.0 124.7 122.5R 109.5T Dep Con 125.2		
ASR Rwy 1, 19 Ceil 500 Vsby 1 mi Min Alt 788		
ILS 109.5 I-ALB Apch Brg 191° LOM: 219/AL		
(H) BVORTAC 117.8/ALB on Ad.		
Remarks: VOT: 109.0		
ALPINE RBn MHW	245/ALP	FSS: ELMIRA
AVON RBn MHW	344/AVN	FSS: ROCHESTER
BABYLON RBn MHW	275/BBN	FSS: NEW YORK
BECKSGROVE RBn MHW	329/BKG	FSS: UTICA
BINGHAMTON		
BROOME COUNTY IFR	7 N	FSS: BINGHAMTON on Fld
1629 H56/16-34(2) (S-94.5, T-135, TT-) BL4, 6, 12 S5		
FS, JP1 DT2 RVV: Rwy 34		

NEW YORK—Continued

Broome Tower 119.3 122.5R 114.3T 110.3T 112.1T
 Gnd Con 121.9
 Radar Services: (BCN)
 Broome App Con 118.6 Broome Dep Con 126.1
 ASR Rwy 10, 16, 28, 34 Ceil 400 Vsby 1 mi
 Min Alt 2029
 ILS 110.3 I-BGM Apch Brg 338° BC unusable LMM: 203/GM
 Binghamton (L) BVORTAC 114.3/BGM 076° 7.0 NM to Ad.
 Binghamton RBn MHW 317/BGM 338° 6.9 NM to Ad.

BUFFALO

§GREATER BUFFALO INTL IFR 5 E AOE FSS: BUFFALO on Flg
 722 H81/5-23(2) (S-120, T-180, TT-400) BL4, 6, 11 SS FS, JP1,
 JP4, JPS DT2
 Remarks: Fee.
 Tower 120.5 122.5R Gnd Con 121.9
 Clmc Del 124.7
 Radar Services:
 Buffalo App Con 126.5 126.2 122.5R 123.7 110.3T
 Buffalo Dep Con 125.5
 Tfc Info Inbd acft ctc Buffalo App Con on 120.1 or 126.2
 aprx 25 mi out.
 ASR Rwy 5, 23, 31 Ceil 400 Vsby 1 mi Min Alt 1119
 Rwy 13 Ceil 500 Vsby 1 mi Min Alt 1219
 ILS 110.3 I-BUF Apch Brg 052° BC unusable. LOM: 204/GB
 Buffalo (H) BVORTAC 116.4/BUF 287° 3.6 nm to Ad
 Buffalo RBn BH 260/BUF 211° 0.9 nm to Ad
 VHF/DF available, contact Buffalo App Con
 Remarks: VOT: 109.0.

CAMBRIDGE (L) BVOR	115.0/CAM	FSS: GLENS FALLS
CANARSIE (I) VORW	111.0/CRI	FSS: JFK TWR
CARMEL (L) BVORTAC	116.6/CMK	FSS: TETERBORO
DEER PARK (L) VORTAC	111.2/DPK	FSS: NEW YORK
DE LANCEY (L) BVOR	112.1/DNY	FSS: BINGHAMTON CS/T
DUNKIRK (L) BVOR	114.2/DKK	FSS: BUFFALO

ELMIRA

§CHEMUNG COUNTY IFR 5 NW FSS: ELMIRA on Flg
 951 H56/6-24(3) (S-42, T-69, TT-120) BL5, 6, 8A, 9 SS FS, JP1
 U2 DT2
 Elmira Tower 121.1 122.5R Gnd Con 121.9
 Elmira App Con 121.1 118.95 122.5R 127.25¹
 ILS 109.1 I-ELM Apch Brg 239° BC restricted LMM: 230/LM
 Elmira (L) BVORTAC 113.7/ELM 066° 6.6NM to Ad.
 Elmira RBn SABH 375/ELM 076° 1.3NM to Ad.
 Remarks: ¹For IFR acft operg Tompkins Co Arpt, Ithaca, N.Y.

GENESEO (L) BVORTAC	108.2/GEE	FSS: BUFFALO
GEORGETOWN (L) BVOR	115.2/GGT	FSS: UTICA
GLENS FALLS (L) BVORTAC	110.2/GFL	FSS: GLENS FALLS
HAMPTON (H) BVORTAC	113.6/HTO	FSS: NEW YORK
HANCOCK (L) BVOR	109.0 HNK	FSS: BINGHAMTON CS/T
HUGUENOT (H) BVORTAC	116.1/HUO	FSS: WILKES-BARRE

ISLIP

§LONG ISLAND-MacARTHUR IFR 7 NE FSS: NEW YORK on IFd
 98 H50/6-24(3) (S-60, T-80, TT-) BL4, 6, 7, 12 SS
 FS, TP1 DT2 RVV: Rwy 6
 Remarks: Trees E.
 Tower 119.3 126.2 122.5R 108.3T Gnd Con 121.7
 Radar Services:
 Kennedy App Con 118.0 134.1 123.7 122.7R 118.4

NEW YORK—Continued

Kennedy Dep Con	123.9 ¹ 134.1 121.1 ²	LOM: 346/IS
ILS	108.3 I-ISL Apch Brg 057°	VHF/DF available, ctc FSS.
Remarks: ¹ 054-110°. ² 110-160°.		
ITHACA (L) BVOR	111.8/ITH	FSS: ELMIRA
JAMESTOWN (L) BVOR	113.1/JHW	FSS: BRADFORD
KINGSTON (L) BVOR	117.6/IGN	FSS: POUGHKEEPSIE
MASSENA (H) BVORTAC	114.1/MSS	FSS: MASSENA
NEWBURGH STEWART AFB (L) VOR 110.8/SWF		FSS: POUGHKEEPSIE
RBn MHW 335/SWF		

NEW YORK

§JOHN F KENNEDY INTL IFR	11 SE	FSS: NEW YORK (DL)
12 H146/13R-31L(5)	(S-100, T-185, TT-340)	BL6, 8A, 9, 10, 11, 14, 15 SS FS, JP1, JP4 U2 DT2
VASI:	Rwy 13L, 13R	RVR: Rwy 4R, 22L, 31L, 31R REIL: Rwy 13L ¹
Remarks: Fee. Cld to fightertype, jet and turboprop acft excp with prior approval and to routine mil flc. Rwy 13R-31L, 14,572' with Indg threshold 13R displaced 2600' 31L displaced 3324'. Rwy 7-25 cld duration winter due constrn. Rwy 4L- 22R extended to 11,350' with Indg threshold rwy 22R displaced 3020'. Rwy 13L displaced threshold usable length 7739'. 1465' (1520' MSL) twr 11 NM NW. ¹ Nonstandard. Lead in lghts rwy 13L and 13R.		
Kennedy Tower		119.1 134.1 122.7R 110.9T 109.5T
\$Clmc Del	121.65	Gnd Con 121.9
ATIS ARR (NE)		111.2 (SW) 115.4 DEP 112.5
Radar Services: (BCN)		
Kennedy App Con 127.4 134.1 123.7 122.7R 118.4 109.5T		
Kennedy Dep Con 123.9 ¹ 134.1 121.1 ²		
PAR Rwy 4R Ceil 200 Vsby 1/2 mi Min Alt 212		
ASR Rwy 4L Ceil 600 Vsby 1 mi Min Alt 612.		
Rwy 22R Ceil 500 Vsby 1 mi Min Alt 512.		
Rwy 31R Ceil 400 Vsby 1 mi Min Alt 412.		
ILS	109.5 I-JFK Apch Brg 042°	LOM: 373/JF ¹
110.9 I-IWY Apch Brg 222° LOM: 226/IW		
111.5 I-RTH ² Apch Brg 311° BC unusable. LOM: 268/RT		
Kennedy (H) BVORTAC 115.9/JFK on Ad.		
Kennedy RBn MHW 373/JF 042° 2.7 NM to rwy 4R.		
VHF/DF available contact tower.		
Remarks: ¹ 054-110°, ² 110°-160°. ³ Glide slope shutdown until July 1. ⁴ LOM is MHW. VOT: 112.5.		

§LA GUARDIA IFR	4E	FSS: TETERBORO (DL)
21 H70/4-22(2)	S-80, T-105, TT-105	BL6, 8A, 9, 10, 11 SS FS, JP1 U2 DT2
VASI: Rwy 13, 22, 31		RVV: Rwy 4 REIL: Rwy 13-31, 22
Remarks: Fee. Rwy threshold displaced 175' NW. 5813' avbl Indg rwy 31. Cld to jet propelled acft, motorless & acft over 105,000 lbs unless prior permission. Rwy 4 cld to turbo jet acft Indg. Rwy 22 cld to turbojet acft tkof. 1465' (1520' MSL) twr 5 NM WSW.		

FAA Dep Proc: Rwy 13-rgt turn and proceed over Flushing Meadow Park before turning on course.		
Tower	118.7 122.7R 113.1T 109.9T 108.5T 110.5T	
\$Clmc Del	126.15	Gnd Con 121.7
Radar Services: (BCN)		
App Con 125.7 122.7R 118.9 109.9T 108.5T 110.5T		
Dep Con 120.4 128.8		
Tfc Info All VFR ifc inbd ctc App Con West of Hudson River 125.7, East of Hudson River 118.9		
PAR Rwy 4 Ceil 400 Vsby 1/2 mi Min Alt 421		
ASR Rwy 4, 13, 22 Ceil 700 Vsby 1 mi Min Alt 721.		
Rwy 31 Ceil 600 Vsby 1 mi Min Alt 621.		

NEW YORK—Continued

ILS 109.9 I-LGA¹ Apch Brg 043° BC unusable LOM: 332/LG
108.5 I-GDI² Apch Brg 134°

110.5 I-URD³ Apch Brg 223° BC unusable LOM: 385/UR
La Guardia (L) VOR-DME 113.1/LGA 177° 0.4 NM to fd
VHF/DF available, contact. App Con

Remarks: Flwg shut down indef due arpt constrn: Rwy 22 apch lghts; Rwy 4 ILS, PAR adv svc to Rwy 22. ¹Lclzr unusable below 2000' MSL beyond 17 NM. LOM subject to 30° oscillations in W quad. Glide slope crs deviation may be encountered due to acft movements in close proximity to glide slope transmitter when wea conditions are 1000-3 or better. ²Front crs unusable beyond 15 NM below 2500'. BC unusable beyond 15 NM below 3000'. ³LOM unusable beyond 9 NM between 235-245° acft erroneous needle action. ⁴Radar monitoring of instrument apchs only at pilot's request. VOT: 109.0.

NIAGARA FALLS MUNI IFR 4 E FSS: BUFFALO (DL)
590 H91/10L-28R(4) (S-90) BL4, 6, 8A, 9 S3 FS JP4 DT2

Remarks: No signal SS-SR to indicate IFR conditions less than 3 mi and/or ceil less than 1000'.

Niagara Tower 118.5 126.2 122.7R 110.1T Gnd Con 121.7
Radar Services:

Buffalo App Con 123.7 126.2 122.5R 120.1 110.3T 270T
Buffalo Dep Con 125.5

ILS 110.1 I-IAG Apch Brg 278° BC unusable LOM: 329/IA
VHF/DF available, contact tower.

OGDENSBURG RBn MHW 203/OGS FSS: MASSENA

OLEAN RBn MHW 360/LYS FSS: BRADFORD

Remarks: Oper 1200-0300Z.

PECONIC RBn MHW 339/PIC FSS: NEW YORK

PLATTSBURGH (H) BVORTAC 117.4/PLB FSS: MONTPELIER

RBn MHW 385/PBG

POUGHKEEPSIE (L) BVORTAC 112.2/POU FSS: POUGHKEEPSIE

RIVERHEAD (L) VORTAC 117.2/RVH FSS: NEW YORK

ROCHESTER-MONROE CO IFR 3 SW AOE FSS: ROCHESTER on Fld

560 H70/4-22(5) (S-126, T-160, TT-265) BL5, 6, 8A, 9, 14, 15 S5
FS, JP1 U2 DT2 RVV: Rwy 28

Remarks: Rwy 30 threshold displaced 690' NW. 2351' avbl Indg rwy 30. Fee for acft over 5000 lbs. No signal SS-SR to indicate IFR conditions.

Tower 118.3 122.5R Gnd Con 121.7

Radar Services: (BCN)

App Con 124.0 120.7 122.5R

Dep Con 121.0

Tfc Info Ctc App Con on 124.0

ASR Rwy 1 Ceil 400 Vsby 1 mi Min Alt 960.

Rwy 4 Ceil 700 Vsby 1 mi Min Alt 1260.

Rwy 10 Ceil 400 Vsby 1 mi Min Alt 960.

Rwy 19, 22 Ceil 600 Vsby 1 mi Min Alt 1160

Rwy 28 Ceil 500 Vsby 1 mi Min Alt 1060.

ILS¹ 109.5 I-ROC Apch Brg 277° BC unusable LOM: 400/RO
110.7 I-MCU Apch Brg 040°

Rochester (L) BVORTAC 110.0/ROC at fd.

Remarks: ¹Glide slope unusable below 760' due crs roughness.

ROCKDALE (L) BVOR 112.6/RKA FSS: BINGHAMTON CS/T

ROME RBn HW 212/RME FSS: UTICA

SARANAC LAKE (T) BVOR 111.2/SLK FSS: MASSENA

SCHENECTADY COUNTY IFR 2 N FSS: ALBANY (DL)

37B H70/4-22(3) (S-52.5, T-75, TT-135) BL4, 6 S5

FS, JP5 U2 DT2

Remarks: Lghts prior req after 0300Z. First 100' apch end rwy 10 not visible from ctl twr. Rwy 28, 15 and 33 apch restricted by trees.

NEW YORK—Continued

Tower¹ 126.2 121.3 122.5R 356T

Radar Services:

Albany App Con 125.0 124.7 122.5R 109.5R

Albany Dep Con 125.2

VHF/DF available, contact tower.

Schenectady (T) VOR 111.0/SCH

Schenectady RBn² MH 356/SCH

Remarks: ¹Oper 1100-0300Z. ²Oper 1200-0400Z.

SYRACUSE

\$HANCOCK IFR 4 NE

FSS: SYRACUSE on Fld

421 H90/10-28(3) (S-120, T-190, TT-350) BL4, 6, 8A, 9, 14 S5

FS, JP4 DT2 RVV: Rwy 28

Remarks: Rwy 6-24 limited to acft under 12,500 lbs GWT.

Syracuse Tower 126.2 122.5R 119.9

Gnd Con 121.7

Radar Services (BCN)

Syracuse App Con 120.3 122.5R 109.9T

Syracuse Dep Con 125.6

ASR Rwy 14 Ceil 400 Vsby 1 mi Min Alt 821.

Rwy 10 Ceil 500 Vsby 1 mi Min Alt 921.

Rwy 28 Ceil 700 Vsby 1 mi Min Alt 1121.

ILS 109.9 I-SYR Apch Brg 278° LOM: 242/SY

Syracuse (H) BVORTAC 117.0/SYR 131° 4.7 NM to fd.

Syracuse RBn SBH 350/SYR 100° 6.7 NM to fd.

UTICA

\$ONEIDA COUNTY IFR 7 NW

FSS: UTICA on Fld

742 H60/15-33(2) (S-60, T-80, TT) BL4, 6, 8A, 9 S5

F2 U2 DT2 RVV: Rwy 33.

Remarks: Rgt tlc rmwys 9 & 15.

Utica Tower 118.1 122.5R 109.3T

Gnd Con 121.9

Radar Services: (BCN)

Griffiss App Con 118.5 134.1 122.5R

Griffiss Dep Con 120.9

ILS 109.3 I-UCA Apch Brg 329° LMM: 254/CA

Utica (L) BVOR 108.6/UCA 318° 11.6 NM to fd.

Utica RBn MHW 275/UTI 329° 7.3 NM to fd.

WATERTOWN (L) BVOR 109.8/ART

FSS: WATERTOWN

WELLSVILLE (L) BVOR 116.0/ELZ

FSS: ELMIRA

WESTHAMPTON BEACH

SUFFOLK COUNTY (T) VOR 110.4/FOK

FSS: NEW YORK

WHITE PLAINS

\$WESTCHESTER COUNTY IFR 3 NE

FSS: NEW YORK

439 H65/16-34(3) (S-63, T-110, TT-275) BL4, 8A, 9 S5

FS, JP5 U2 DT2

Remarks: Trees NW, SE. Fee. Rwy 5 clsd ngt Indgs, rwy 23 ngt tkofs. First 400' rwy 23 not visible to twr.

Tower 119.7 126.2 122.5R 109.7T

Gnd Con 121.9

App Con 121.2 122.5R 109.7T

ILS 109.7 I-HPN Apch Brg 162° BC unusable LOM: 281/HP

NORTH CAROLINA

\$ASHEVILLE MUNI IFR 9 S

FSS: GREER (LC 684-14C1)

2161 H65/16-34(1) (S-100, T-160, TT-275) BL6,8A,9,10 S5

FS, JP1, JP4 U2 VASI: Rwy 16 RVV: Rwy 34.

Remarks: Rgt tlc NW.

Tower 121.1 122.5R

Gnd Con 121.9

App Con 125.3 122.5R

ILS¹ 110.5 I- AVL Apch Brg 342° BC restricted, unusable for apchs. LMM: 227/VL

(L) BVORTAC 112.2/AVL 281° 10.4 NM to fd

RBn MHW 357/ABN 160° 5.8 NM to fd

Remarks: ¹Glide slope unusable below 2310' MSL.

BROAD RIVER RBn HW 379/BRA

FSS: ASHEVILLE

CAROLINA BEARCB RBn HW 216/CLB FSS: WILMINGTON CS/T

NORTH CAROLINA—Continued

CHARLOTTE

§DOUGLAS MUNI IFR 4 W FSS: HICKORY (LC 332-8161)
 748 H75/5-23(2) (S-50)* BL6, 8A, 9 SS
 F5, JPI U2 RVV: Rwy 5

Remarks: *(Rwy 18-36-(S-60)) 1073' (1932' MSL) twr 10 NM ENE. Rwy 18 threshold displaced 600'. Usable lndg length 7200'.

Charlotte Tower 118.1 126.2 122.5R 109.5T Gnd Con 121.9
 Radar Services: (BCN)

Charlotte App Con 120.5 126.2 122.5R 119.0 109.5T
 Charlotte Dep Con 124.0

ASR Rwy 5, 18, 23¹, 36 Ceil 400 Vsby 1 mi Min Alt 1148 ILS¹ 109.5 I-CLT Apch Brg 050° BC unusable LOM: 242/CL

Charlotte (L) BVORTAC 110.6/CLT on fd

Remarks: ¹On apch, maint 1300 or above til 2.5 mi from apch end of rwy 23 on final. ²Glide slope unusable below 948' MSL. VOT: 112.0

COFIELD (L) BVORTAC 114.4/CVI

FSS: ELIZABETH CITY

ELIZABETH CITY (L) BVOR 109.4/ECG

FSS: ELIZABETH CITY

FAYETTEVILLE

§GRANNIS FIELD IFR 3 S FSS: FAYETTEVILLE on Fld 189 H50/3-21(2) (S-64, T-120, TT-200) BL4, 6, 8A, 9 SS F4, JP4 RVV: Rwy 3

Remarks: Trees NNW, SSE.

Fayetteville Tower 118.3 122.5R Gnd Con 121.7

Radar Services: (BCN)

Fayetteville App Con 120.6

Fayetteville Dep Con 120.4

ILS¹ 110.5 I-GRA Apch Brg 035° BC unusable LOM: 367/GR

Fayetteville (L) BVOR 108.8/FAY on fd.

Remarks: ¹Lclzr usable area restricted to 35° either side front crs. All other areas unusable.

FORT BRAGG, POPE AFB (L) VORW 113./POB FSS: ROCKY MOUNT

FORT BRAGG, SIMMONS AAF (L) VOR 109.8/FBG

RBn MH 201/FBG FSS: ROCKY MOUNT

§GREENSBORO-HIGH POINT/WINSTON-SALEM IFR 7 W

FSS: RALEIGH (LC BR 56341)

927 H64/14-32(2) (S-40, T-140, TT) BL4, 6, 8A, 9 SS F4, JPS U2 RVV: Rwy 14

Greensboro Tower 119.1 126.2 122.5R 109.9T

Gnd Con 121.9

Radar Services: (BCN)

Greensboro App Con 118.5 122.5R 120.9 116.2T 109.9T
 Greensboro Dep Con 124.6

ASR Rwy 5, 14, 23, 32 Ceil 400 Vsby 1 mi Min Alt 1327

ILS¹ 109.9 I-GSO Apch Brg 138° LOM: 254/GS

Greensboro (H) BVORTAC 116.2/GSO 030° 3.0 NM to fd.

Remarks: ¹Glide slope unusable below 1127' MSL.

HICKORY (L) BVOR 110.8/HKY

FSS: HICKORY

KINSTON (L) BVORTAC 109.6/ISO

FSS: NEW BERN

LIBERTY (L) BVOR 111.2/LIB

FSS: RALEIGH-DURHAM

NEW BERN (L) BVOR 108.4/EWN

FSS: NEW BERN

PINEHURST (L) BVOR 111.8/SOP

FSS: FAYETTEVILLE

RALEIGH-DURHAM IFR 9 NW

FSS: RALEIGH on Fld

435 H75/5-23(3) (S-110, T-160, TT-270) BL4, 6, 8A, 9 SS

F5, JPI U2 RVV: Rwy 5

Remarks: No signal b/w SS-SR indicate gnd vsby of less than 2.6 NM and/or ceil less than 1000.

NORTH CAROLINA—Continued

Tower 119.3 126.2 122.5R 109.5T Gnd Con 121.9

Radar Services: (BCN)

Raleigh App Con 125.3 122.5R 120.6

Raleigh Dep Con 120.6 124.8

Tfc Info Inbd act ctc App Con 25 mi out on 125.3

ILS¹ 109.5 I-RDU Apch Brg 049° LOM: 382/RD

(H) BVORTAC 117.2/RDU on fd.

RBn H-SAB 350/RDU 229° 4.0 NM to fd.

Remarks: ¹Glide slope unusable below 635' MSL.

ROCKY MOUNT (L) BVORTAC 117.8/RMT FSS: ROCKY MOUNT

SEYMOUR-JOHNSON AFB (L) VOR 116.5/GSB FSS: ROCKY MOUNT

RBn MHW 285/GSB

ILS¹ 109.3 I-GSB Apch Brg 077° BC unusable LOM 285/GSB

Remarks: LOM is MHW. ¹Glide slope unusable below 309'.

WEEKSVILLE RBn (HW) 254/EKV FSS: ELIZABETH CITY

WILMINGTON

§NEW HANOVER CO IFR 2 NE

FSS: NEW BERN (LC 762-7567)

31 H80/5-23(3) (S-120, T, TT) BL4, 6, 8A, 9 SS

F5, JPS

Remarks: *(S-90, T-120, TT-212) avbl rwy 5-23 (S-30, T-48, TT-86) avbl rwy 9-27 Rwy 9 threshold displaced 2875' E. Usable length rwy 9-27 4127'. Due non-vsby some areas of fd, ctc twr. Jet arresting gear rwy 16-34.

Wilmington Tower 119.9 122.5R 110.3T 388T Gnd Con 121.9

Cirrc Del 121.9

Wilmington App Con 118.8 122.5R 110.3T

ILS¹ 110.3 I-ILM Apch Brg 343° LOM: 281/IL

Wilmington (H) BVORTAC 117.0/ILM 201° 5.0 NM to fd.

Remarks: ¹Lclzr unusable MM to touchdown.

WINSTON-SALEM

§SMITH REYNOLDS IFR 2 NE

FSS: HICKORY

969 H66/15-33(3) (S-40, T-85, TT-105) BL4, 6, 8, 12 SS

F5, JPS U2 RVV: Rwy 33.

Remarks: Apch lglts oper 0700-2300 only. Rwy lglts 15-33 only oper 2300-0700. Rwy 3-21 (S-56, T-85, TT-105)

Winston-Salem Tower¹ 118.7 126.2 122.7R 278T

Gnd Con 121.7

Radar Services: (BCN)

Greensboro App Con 118.5 122.5R 120.9 109.9T

Greensboro Dep Con 124.6

ILS¹ 110.3 I-INT Apch Brg 328° BC unusable LOM: 317/IN

Remarks: ¹Oper 1200-0400Z. ²Glide slope unusable below 1069' MLS. ILS monitored only by electronic means 2300-0700 EST daily.

NORTH DAKOTA

§BISMARCK MUNI IFR 2 SE

FSS: BISMARCK on Fld

1653 H69/12-30(3) (S-78, T-114, TT-190) BL4, 6, 8 SS

F4 JP4 U2 RVV: Rwy 30

Remarks: Rwy 17-35, 2-20 and E-W hwy clsd to acft over 26,000 lbs excp when authorized by twr. First 800' rwy 12 clsd to lndg acft.

Tower 118.3 122.5R Gnd Con 121.9

App Con 118.3

ILS 110.3 I-BIS Apch Brg 306° LOM: 215/B1

(L) BVOR 116.5/BIS 272° 3.6 NM to fd

RBn BH 230/BIS 252° 1.9 NM to fd

DEERNG (H) VOR 115.7/MIB

FSS: MINOT

DEVILS LAKE (L) BVOR 111.0/DVL

FSS: GRAND FORKS

NORTH DAKOTA—Continued

DICKINSON (H) BVORTAC	112.9/DIK	FSS: DICKINSON
BBn BH ¹	308/DIK	
Remarks: ¹ VFR use only.		
FARGO		
SECTOR FIELD IFR	2NW	FSS: FARGO on Fld
900 H91/17-35(3)	(S-90, T-120, TT)	BL4,6,8 SS
F5, JP1, JP4 U2	RVV: Rwy 17, 35	
Fargo Tower	118.3 122.5R	Gnd Con 121.9
Fargo App Con	125.8 110.3T	365T
VFR ADV Ctc App Con	25 mi out on 125.8	
ILS 110.3 I-FAR Apch Brg 351°	LOM: 219/FA	
Fargo (H) VORTAC	116.2/FAR	360° 9.4NM to Rd
Fargo RBn BH	365/FAR	171° 4.6NM to Rd
GRAND FORKS (L) BVOR	111.2/GFK	FSS: GRAND FORKS
JAMESTOWN (L) BVOR	114.5/JMS	FSS: JAMESTOWN
MINOT (L) BVOR	117.1/MOT	FSS: MINOT
Rng BMRLZ	209/MT	
PEMBINA (H) BVORTAC	112.4/PMB	FSS: GRAND FORKS
RED RIVER (H) VOR	116.7/RDR	
RBn H	400/RDR	
WILLISTON (L) BVOR	116.3/ISN	FSS: MINOT

OHIO

AKRON MUNI IFR	Adj SE AOE	FSS: AKRON on Fld
1059 H53/7-25(4)	BL4, 6, 11 SS F5 JP1 U2 DT2	
RHIL: Rwy 7 and 25.		
Remarks: Poles E. Obstr lgts inop SE hill apch rwy 32.		
Tower	120.1 122.7R	110.9T Gnd Con 121.9
Radar Services:		
Akron-Canton App Con	125.5 126.2	122.5R 109.5T
Akron-Canton Dep Con	118.6	
ILS 110.9 I-AKR Apch Brg 246°	LOM: 362/AKR	
(L) BVORTAC 114.6/ACO	255°	12.3 NM to Rd
RBn MHW 362/AKR	246°	3.7 NM to Rd.
Remarks: LOM is MHW.		
AKRON-CANTON IFR	10SE	FSS: AKRON
1220 H56/1-19(4)	(S-100, T-135, TT-210)	BL4,6,11 SS F5, JP1
DT2 RVV: Rwy 1 REIL: Rwy 23		
Remarks: Down drafts or turbulence frequently encountered apch end rwy 5, 23, 32 when wind velocity exceeds 15 knots. Ctc twr prior entering ILS apch zone; avoid tfc path of Akron Muni arpt.		
Tower	126.2 122.5R	118.3 109.5T Gnd Con 121.7
Radar Services: (BCN)		
App Con	125.5 126.2	122.5R 109.5T
Dep Con	118.6	
ASR Rwy 1, 5, 9, 14, 19, 23, 27, 32	Ceil 400	
Vsby 1 mi Min Alt 1628		
ILS 109.5 I-CAK Apch Brg 006°	LOM: 233/CA	
Remarks: VOT: 112.0		
APPLETON (H) BVORTAC	116.7/APE	FSS: COLUMBUS
ATHENS BBn MMW	206/UOA	FSS: PARKERSBURG
ATTICA (L) BVORTAC	116.9/ATO	FSS: MANSFIELD
BELLAIRE (L) BVOR	111.0/AIR	FSS: WHEELING
Remarks: To be BVORTAC May 31.		
BRECKSVILLE BBn MMW	326/BKI	FSS: CLEVELAND
BRIGGS (L) BVORTAC	112.4/BSV	FSS: AKRON

OHIO—Continued

CHARDON (L) BVORTAC	109.8/CXR	FSS: CLEVELAND
COVINGTON, KY. (CINCINNATI, OHIO)		
GREATER CINCINNATI IFR	9SW Cincinnati	FSS: CINCINNATI
890 H86/18-36(3)	(S-179, T-283, TT-500)	BL4,6,8A,9,11 SS
F5 REIL: Rwy 27		
Remarks: Rwy 4-22 clsd to acft over 48,000 lbs. Fee.		
Cincinnati Tower	118.3 126.2	122.7R Gnd Con 121.7
Climc Del	121.3	
Radar Services:		
Cincinnati App Con	124.7	126.2 122.7R 119.7
Cincinnati Dep Con	121.0	
ASR Rwy 4, 9, 18, 36	Ceil 400	Vsby 1 mi Min Alt 1290.
Rwy 22, 27	Ceil 700	Vsby 1 mi Min Alt 1590
ILS 109.9 I-CVG Apch Brg 360°	LOM: 287/CV	
111.5 I-SIC Apch Brg 180°	LOM: 351/S1	
Cincinnati (L) BVORTAC	112.9/CVG	043° 2.3 NM to Rd
VHF/DF available, contact tower or radar		
Remarks: VOT: 108.4.		
CINCINNATI MUNI-LUNKEN FLD IFR	3SE	FSS: CINCINNATI on Fld
488 H61/2R-20L(4)	(S-55, T-75 TT-167)	BL4,6,8A,9 SS F4, JP4
U2		
Remarks: Rwy 2L threshold displaced 900' NE from end full width pavement. 4794' avbl lndg rwy 2L; tkoff rwy 20R. 4984' avbl lndg 20R; tkoff rwy 2L. Rwy 15 threshold displaced 700' SE. 3334' avbl lndg rwy 15; tkoff rwy 33. 4034' avbl tkoff rwy 15, lndg rwy 33.		
Lunken Tower	126.2 122.5R	118.7 Gnd Con 121.9
Radar Services:		
Cincinnati App Con	119.7	126.2 124.7 122.7R
Cincinnati Dep Con	121.0	
ILS 111.1 I-LUK Apch Brg 201°	LOM 379/MDE	
Cincinnati Rng SABRAZ	335/LUK	227° 4.3 NM to Rd
Remarks: LOM is Madeira RBn.		
CLEVELAND		
BURKE LAKEFRONT	Adj N	FSS: CLEVELAND (DL)
584 H52/6-24(1)	(S-31, T-37, TT-55)	BL 6 SS F4, JP1
U2 DT2		
Remarks: Fee. Rgt Hc rwy 24.		
Lakefront Tower ³	126.2 122.5R	120.9 Gnd Con 121.9
Radar Services:		
Cleveland App Con	124.0 ¹	122.7R 118.5 ²
Cleveland Dep Con	121.0	
Remarks: ¹ 270°-089° ² 090°-269° ³ Oper 1100-0300Z.		
CLEVELAND-HOPKINS INTL IFR	9SW AOE	FSS: CLEVELAND on Fld
792 H90/5R-23L(5)	(S-54, T-78, TT-126)*	BL4,6,8A,9,10,11 SS
FS, JP1 U2 DT2 VASI: Rwy 23R RVR: Rwy 5R, 27		
REIL: Rwy 36L		
Remarks: *(S-125, T-188, TT-338) avbl rwy 9-27. Rwy 23L apch restricted by fence.		
Cleveland Tower	119.9 126.2	122.7R Gnd Con 121.7
Climc Del	127.4	
Radar Services:		
Cleveland App Con	124.0 ¹	122.7R 118.5 ² 110.7T
Cleveland Dep Con	121.0	
ASR Rwy 5L, 18L, 23R, 36R Ceil 500 Vsby 1 1/2 mi Min Alt 1292.		
Rwy 5R, 9, 18R, 23L ¹ , 27, 36L Ceil 400 Vsby 1 mi Min Alt 1192.		
ILS 109.9 I-CLE Apch Brg 055°		
110.7 I-CEE ³ Apch Brg 278° LMM: 244/EE		
Cleveland (H) BVORTAC	113.6/CLE	081° 13.9 NM to Rd
Cleveland BBn M-SAB	344 ⁴ /CLE	070° 0.8 NM to Rd
VHF/DF available, contact tower		

OHIO—Continued

Remarks: 270° - 089° 090° - 269° . ILS unusable below 1030' MSL due to clutter crs roughness. Apch maintain at least 1600' until within 4 mi rnwy. VOT: 110.4.

CLINTON (I) VOR 113.2/ILN FSS: DAYTON
RBn MHW 219/ILN

COLUMBUS, PORT COLUMBUS INTL IFR 6E

FSS: COLUMBUS on Fld
816 H107/10R-28L(5) (S-100, T-200, TT-370)* BL4,6,8A,9,11
S5 F5, JP1, JP4 U2 RVR: Rnwys 10L, 28R REIL: Rnwys 10R, 28R.
Remarks: *(S-180, T-200, TT-400) avbl rnwy 10L-28R.

Due non-vsby some areas of Ad, ctc twr.
Tower 126.2 121.1 109.1T 3023.5R Gnd Con 121.9

Cirrc Del 121.3

Radar Services: (BCN)

App Con 119.0 126.2 125.4 122.5R 109.5T 3023.5R

Dop Con 120.5 126.2

ASR *Rnwys 10R, 10L, 19, 23, 28R, 28L, 31 Ceil 500
Vsby 1 mi Min Alt 1316.

Rnwys 1, 5 Ceil 600 Vsby 1 mi Min Alt 1416.

ILS¹ 109.1 1-CBP Apch Brg 096° LOM: 271/CB

109.5 1-CMH¹ Apch Brg 276° LOM: 245/CM

VHF/DF available, contact tower

RBn BH 391/CMH 070° 1.0 NM to Ad

Remarks: Front crs unusable above 4000' MSL beyond 11 NM.

*ASR apchs unavbl til June.

VOT: 111.0

CUYAHOGA RBn MHW 275/CUC FSS: CLEVELAND

DAYTON**JAMES M COX-DAYTON MUNI IFR** 9N FSS: DAYTON on Fld

1008 H70/6-24(2) (S-126, T-170, TT-354) BL4,6,8A,9,11 S5
F5, JP1 U2 RVR: Rwy 6 REIL: Rwy 24

Remarks: P-line SE. 1096' TV twr 10NM S.

Dayton Tower 119.5 126.2 122.5R Gnd Con 121.9

Cirrc Del 125.2

Radar Services: (BCN)

Dayton App Con 118.0 122.7R 111.6T 110.3T

Dayton Dop Con 119.9

ILS¹ 110.3 1-DAY Apch Brg 056° LOM: 356/DA

Dayton (I) BVORTAC 117.5/DAY 131° 10.8 NM to Ad.

Remarks: VOT: 110.0. Unusable below 1208' MSL.

DEFIANCE RBn MHW 246/DFI FSS: FINDLAY

FINDLAY (I) BVOR-DME 108.2/FDY FSS: FINDLAY

RBn BMH 209/FDY

FREMONT RBn MHW 394/FRO FSS: FINDLAY

Remarks: Pvt Facility.

GILBERT RBn MHW 378/GIL FSS: CLEVELAND

HAMILTON RBn MHW 260/HAO FSS: CINCINNATI

HUBBARD RBn MHW 408/HBD FSS: YOUNGSTOWN

JEFFERSON (I) BVORTAC 115.2/JFN FSS: YOUNGSTOWN

LIMA (I) BVOR 116.0/LIA FSS: FINDLAY

LOCKBOURNE AFB (I) VORW 113.8/LCK FSS: COLUMBUS

LUNKEN RBn MHW 248/LKA FSS: CINCINNATI

MADEIRA RBn MHW 379/MDE FSS: CINCINNATI

MANSFIELD MUNI IFR 3N FSS: MANSFIELD on Fld

1296 H90/14-32(2) (S-75, T-100, T-) BL4,6 S5

F4, JP4 U2 RVR: Rwy 32

Tower 119.3 122.5R 110.5T Gnd Con 121.9

App Con 124.7 122.5R 110.5T 108.8T

ILS 110.5 1-MFD Apch Brg 320° LOM: 374/MF

(I) BVORTAC 108.0/MFD 130° 3.5 NM to Ad.

RBn MHW 374/MF 320° 4.0 NM to Ad.

Remarks: LOM is MHW.

OHIO—Continued

MARION RBn MHW 230/MNN FSS: MANSFIELD

MIDDLETOWN RBn MHW 239/MWO FSS: DAYTON

MONTGOMERY CO. (I) VORW 110./MGY FSS: DAYTON

NEWCOMERSTOWN (I) BVOR 111.8/CTW FSS: ZANESVILLE

PATTERSON (I) VOR 111.6/FFO FSS: DAYTON

RBn MHW 326/CVV

ROSEWOOD (I) BVORTAC 112.8/ROD FSS: DAYTON

SANDUSKY (I) BVORTAC 109.2/SKY FSS: CLEVELAND

SPRINGFIELD MUNI IFR 5S FSS: DAYTON (LC FA 2-452)

1049 H90/5-23(3) (S-190, T-200, TT-380) BL4 SS

F4, JP4

Remarks: 150' asphalt blast pad and 850' asphalt overrun each end.

Tower³ 120.7 126.2 Gnd Con 121.7

Radar Services: (BCN)

Dayton App Con¹ 118.4 Dayton Dop Con 118.4 134.1

RBn MHW 341/SGH 235° 2.6 NM to Ad.

Remarks: All IFR flg Indg this area call Dayton App Con.

*Oper 1245-2130Z, clsd holidays.

STADIUM RBn MHW 226/SUM FSS: CLEVELAND

STRONGVILLE (I) BVOR 108.4/STG FSS: CLEVELAND

TIPP CITY RBn MHW 212/TPC FSS: DAYTON

TIVERTON (I) BVOR 116.5/TVT FSS: MANSFIELD

TOLEDO EXPRESS IFR 9SW FSS: FINDLAY (LC 242-4171)

684 H87/7-25(2) (S-107, T-163, TT-287) BL5,6,8A,9 SS

F5, JP1, JP4 U2 RVR: Rwy 7

Toledo Tower 118.1 126.2 122.5R 109.7T

Toledo Gnd Con 121.9

Radar Services: (BCN)

Toledo App Con 126.9 128.0 122.5R 113.1T 109.7T

Toledo Dop Con 119.2

ASR Rnwys 16, 25, 34 Ceil 400 Vsby 1 mi Min Alt 1084.

Rwy 7 Ceil 500 Vsby 1 mi Min Alt 1184

ILS 109.7 1-TOL Apch Brg 069° LOM: 219/TO

WATERVILLE (I) BVORTAC 113.1/VVV FSS: TOLEDO

WILLOUGHBY

LOST NATION IFR 2 N FSS: CLEVELAND (DL)

626 H50/9-27(3) BL4,11 SS F4,JP4 DT2 REIL: Rwy 5, 27

Remarks: Fee. P-lines E, S, W.

Tower³ 120.7 122.5R

Radar Services:

Cleveland App Con 124.0¹ 122.7R 118.5³

Cleveland Dop Con 121.0

Lost Nation (I) VOR 110.2/LNN at Ad

Lost Nation RBn MH 263/LNN at Ad

Remarks: 270° - 089° 090° - 269° *Oper 0230-1430Z.

YOUNGSTOWN MUNI IFR 10 N FSS: YOUNGSTOWN on Fld

1196 H75/14-32(3) (S-116, T-160, TT-270) BL4, 6, 8A, 9

S5 F4 TP1 U2 RVR: Rwy 32

Remarks: Rwy 9-27 rwy lghts inop.

Tower 119.5 126.2 122.5R Gnd Con 121.9

App Con 118.0 126.2 122.5R 110.1T

ILS 110.1 1-YNG Apch Brg 320° LOM: 338/YN

(I) BVOR-DME 109.0/YNG 183° 4.1 NM to Ad.

VHF/DF available, contact tower.

ZANESVILLE (I) BVORTAC 111.4/ZZV FSS: ZANESVILLE

RBn BMH 275/ZZV

OKLAHOMA

ALTUS (I) VORW 109.8/LTS

RBn HW 410/LTS FSS: HOBART

OKLAHOMA—Continued

ARDMORE (I) BVORTAC 116.7/ADM	FSS: ARDMORE
RBN BMH 400/ADM	
BARTLESVILLE (I) BVORTAC 117.9/BVO	FSS: TULSA
CLINTON (I) VOR 111.2/CSM	FSS: HOBART
RBN MHW 320/CSM	
DUNCAN (I) BVOR 111.0/DUC	FSS: ARDMORE
GAGE (H) BVORTAC 115.6/GAG	FSS: GAGE
HENRY POST RBN MHWZ 308/PFL	
HOBART (I) BVOR 111.8/HBR	FSS: HOBART
KINGFISHER (I) BVORTAC 114.2/IFI	FSS: OKLAHOMA CITY
LAWTON MUNI IFR 2 S	FSS: WICHITA FALLS (LC ELS-1323)
1109 H54/17-35(1) (S-50, T-75, TT-135) BL4 S5 F5 JPI U-2	
Remarks: P-line, ant NE	
Tower ¹ 119.9 122.5R	Gnd Con 121.9
Fort Sill App Con 118.6 122.7R	
Fort Sill Dep Con 118.6	
Tfc Info Ctc Fort Sill App Con 118.6 122.5R	
ASR Rwy 35 Ceil 400 Vsby 1 mi Min Alt 1509	
(I) BVOR 108.2/LAW 347° 4.1 NM to Ad	
Remarks: ¹ Oper 1230-0430Z.	
McALESTER (I) BVORTAC 112.0/MLC	FSS: McALESTER
MUSKOGEE RBN MHW 306/MKO	FSS: TULSA (DL)
OKLAHOMA CITY	
SWILEY POST IFR 7 NW	FSS: OKLAHOMA CITY on Fl
1303 H54/17-35(3) (S-15, T-20, TT-30) BL4 S5 F4, JPI U2	
Remarks: Rgt tlc rnwys 12 and 17. 1596' (2749' MSL) twr 7.5 NM ENE. 1563' (2726' MSL) twr 7 NM E. 1572' (2726' MSL) twr 7.5 NM E.	
Tower ¹ 119.7 122.5R Gnd Con 121.7	
Radar Services: (BCN)	
Oklahoma City App Con 119.3 134.1x 122.5R 120.5 115.0T	
Oklahoma City Dep Con 121.1	
Remarks: ¹ Oper 1200-0400Z.	
WILL ROGERS WORLD IFR 6W	FSS: OKLAHOMA CITY (DL)
1284 H98/17R-35L(4) (S-120, T-160, TT-) BL4,6,8A,9,10,11	
S5 F5, JPI, JP4 U2 VASI: Rwy 17 REIL: Rwy 12 RVR Rwy 35L	
Remarks: Rgt tlc rnwys 12, 17R, 21. Rwy 3-21 and twy (C-1) W side rwy 3 restricted to 15000 lbs or less. 1572' (2726' MSL) twr 10 NM NE. 1563' (2726' MSL) twr 10.5 NM NNE. 1596' (2749' MSL) twr 11 NM NNE. Due non-vsby some area of Ad, ctc twr.	
Tower 118.3 126.2R 122.7R 109.9T Gnd Con 121.9	
Radar Services: (BCN)	
Oklahoma City App Con 119.3 134.1x 122.5R 120.5 115.0T	
Oklahoma City Dep Con 121.1	
ASR Rwy 17, 35 Ceil 400 Vsby 1 mi Min Alt 1684	
ILS ¹ 109.9 I-OKC Apch Brg 351° LOM: 219/OK	
Oklahoma City (H) BVORTAC 115/OKC 098° 8.1 NM to rwy 12	
Oklahoma City RBN H-SAB 350°/OKC 092° 1.6 NM to Ad	
Remarks: ¹ Glide slope unusable below 1417' MSL. VOT: 108.8	
OKMULGEE (I) BVOR 112.2/OKM	FSS: TULSA
OWASSO RBN MHW 317/DW	FSS: TULSA
PAGE (I) BVOR 113.5/PGO	CS/T: FORT SMITH
PONCA CITY (H) BVORTAC 113.2/PNC	FSS: PONCA CITY
RBN BMH 368/PNC	
SAYRE (I) BVOR 115.2/SYO	FSS: HOBART
STILLWATER (I) BVOR 108.4/SWO	FSS: OKLAHOMA CITY
	(LC FR 2-4935)

OKLAHOMA—Continued

TINKER AFB RBN HW 394/TIK	FSS: OKLAHOMA CITY
TULAKES RBN MHW 406/TWO	FSS: OKLAHOMA CITY
§TULSA INTL IFR 5NE	FSS: TULSA on Fl
674 H100/17L-35R(S) (S-200, T-200, TT-400) BL4, 6, 8A, 9, 10 S5 FS, JPI, JP4 U2 RVR: Rwy 35R	
Remarks: Rgt tlc rnwys 17R, 21R. Rwy 35L threshold displaced 560' SE end. Rwy 8 threshold displaced 924' W end. 1175' (2147' MSL) twr 9.5 NM W. Rwy 21R clsd air carrier ngt operns. 4000' blacktop track 1.5 NM E rwy 26. Do not mistake for rwy.	
Tower 118.7 122.5R	Gnd Con 121.9
\$Cirnc Del 121.2	
Radar Services: (BCN)	
App Con 119.1 124.0 122.5R 110.3T Dep Con 120.7	
Tfc Info Ctc App Con 25 mi out on 119.1	
ASR Rwy 35 Ceil 400 Vsby 1 mi Min Alt 1074	
ILS 109.7 I-DWE Apch Brg 175° BC unusable LOM: 317/DW	
110.3 I-TUL ³ Apch Brg 355° LOM: 338/TU	
(H) BVORTAC 114.4/TUL 260° 4.3 NM to rwy 26	
RBN H-SAB 245°/TUL 220° 0.9NM to fl.	
Remarks: ¹ 500-1 required when apch is made until position is estab over 910 stack 3 mi E. ² Front crs unusable above 6600' MSL. BC unusable above 4600' MSL; unusable for automatic apchs. Both systems not operd simultaneously. VOT: 109.0	
§TULSA RIVERSIDE IFR 5S	FSS: TULSA
624 H40/18-36(1) BL4 S5 F4 U2	
Remarks: Due non-vsby some areas of fl, ctc twr.	
Tower ¹ 118.1 122.7R	
Remarks: ¹ Oper 1200-0400Z.	
WOODRING (I) BVOR 109.0/ODG	FSS: PONCA CITY
OREGON	
ASTORIA (I) BVOR 114./AST	FSS: HOQUIAM
BAKER (I) BVORTAC 115.3/BKE	FSS: BAKER
CORVALLIS (I) BVOR 108.4/CVO	FSS: EUGENE
EUGENE	
§MAHLON-SWEET FLD IFR 7 NW	FSS: EUGENE on Fl
365 H55/16-34(2) (S-80, T-120, TT-190) BL4, 6, 8A, 9 S5 F4, JPI U2 DT2 RVR: Rwy 16	
Eugene Tower 118.2 122.5R	Gnd Con 121.9
Eugene App Con 118.9 122.5R 112.9T 109.5T	
ILS 109.5 I-EUG Apch Brg 159° LOM: 227/EU	
Eugene (I) BVORTAC 112.9/EUG on fl	
JOHN DAY (H) BVOR 115.6/JDA	FSS: BAKER
KLAMATH FALLS	
§KINGSLEY FLD IFR 4 SE	FSS: KLAMATH FALLS on Fl
4092 H103/14-32(3) (S-100, T-200, TT-380) BL4, 6, 8A, 9 S5 F4, JPI U2 DT2	
Kingsley Tower 118.5 122.5R 269T	Gnd Con 121.9
Cirnc Del 119.4	
Radar Services: (BCN)	
Klamath Falls App Con 126.2 122.5R	
Klamath Falls Dep Con 124.1	
Tfc Info Ctc App Con	
ILS ¹ 109.5 I-LMT Apch Brg 319° LMM: 269/MT	
Klamath Falls (I) BVORTAC 115.9/LMT on fl	
Klamath Falls RBN MHW 218/LFA 319° 10.5 NM to Ad.	
Remarks: ¹ Flag activity may be experienced at procedure turn alt beyond 6.5 NM 20° E of cntrline extended.	
LAKEVIEW (H) BVORTAC 112 0/LKV	FSS CS/T: KLAMATH FALLS
§MEDFORD MUNI IFR 2 N	FSS: MEDFORD on Fl
1330 H54/14-32(2) (S-80, T-120, TT-180) BL5, 6, 8A, 9, S5 F4, TPI U2 DT2 RVR: Rwy 14	

OREGON—Continued

Remarks: Ngt fueling delay and surcharge 1800-0730 lcl time.	
Tower 118.3 126.2 122.5R	Gnd Con 121.9
App Con 119.8 110.3T 113.6T	
ILS ¹ 110.3 I-MFR Apch Brg 141° LOM: 394/MF	
(H) BVORTAC 113.6/MFR 147° 6.3 NM to Rwy 14.	
RBn SBH 263/MFR 161° 2.1NM to fd.	
VHF/DF ² available, contact tower.	
Remarks: ¹ ILS not certified for automatic apchs. ² VHF/DF coverage 40 NM at MEA excep 360-015°, 9000'; 015-030°, 10,000'; 030-057°, 11,000'; 120-210°, 13,500'; 315-350°, 8000'; 350-360°, 8500'; 057-075°, 30 NM at 11,000'; 075-120°, 30 NM at 13,500'; 210-225°, 30 NM at 12,000'; 225-250°, 30 NM at 10,500'.	
NEWBERG (H) BVORTAC 117.4/UBG	FSS: PORTLAND
NEWPORT (H) BVORTAC 117.1/ONP	FSS: EUGENE
NORTH BEND (L) BVORTAC 112.1/OTH	FSS: NORTH BEND
RBn MHW 236/OBN	
ONTARIO RBn MHW 305/ONO	FSS: BOISE
PENDLETON MUNI IFR 2 NW	FSS: PENDLETON on Fld
1493 H63/7L-25R(4) (S-70, T-100, TT-170)	BL4, 6, 8 SS
F4 U2 DT2 RVV: Rwy 25	
Remarks: Rwy 25L threshold displaced 821'W. 2029' avbl lndg rwy 25L. 7R-25L dalgts operns only lgt planes.	
Tower 118.7 122.5R 278Tx	Gnd Con 121.9
App Con 118.7 114.7T 341T	
ILS 110.3 I-PDT Apch Brg 250° LOM: 236/PD	
(H) BVORTAC 114.7/PDT 073° 3.6NM to fd.	
RBn SABM 3410/PDT 259° 1.7 NM to fd	
SPORTLAND INTL IFR .4 NE	FSS: PORTLAND on Fld
26 H88/10R-28L(3) (S-100, T-200, TT-400)	BL5, 6, 8A, 9
SS F5, JP4 U2 DT2 RVV: Rwy 10R, 28R	
Tower 118.7 126.2 122.7R	Gnd Con 121.9
Cirrc Del 119.0	
Radar Services: (BCN)	
App Con 118.1 ³ 126.2 122.7R 119.8 ³ 109.9T	
Dep Con 124.9	
Tfc Info Ctc App Con	
PAR Rwy 10R Cel 200 Vsby ½ mi Min Alt 226	
ASR Rwy 10R ¹ , 28R Cel 700 Vsby 1 mi Min Alt 726	
Rwy 20 Cel 800 Vsby 1 mi Min Alt 826	
ILS 109.9 I-PDX Apch Brg 098° BC restricted LMM: 201/DX	
111.3 I-IAP Apch Brg 278° LOM: 383/IA	
(H) BVORTAC 116.6/PDX 159° 9.2 NM to fd.	
Rng SABM 3320/PDX 155° 2.9 NM to fd.	
VHF/DF available, contact tower.	
Remarks: ¹ Min alt over 3 mi radar fix inbnd on final 900. ² 070-289°. ³ 290-069°. VOT: 111.0.	
SPORTLAND-TROUTDALE IFR Adj NW	FSS: PORTLAND (DL)
36 H46/7-25(1) (Max 20) 9L 4 SS F4 U2 DT2	
RVV: Rwy 7	
Remarks: Rwy 7 threshold displaced 400' E. 4241' avbl lndg rwy 7. Rwy 25 threshold displaced 500'W. 4141' avbl lndg rwy 25.	
TROUTDALE Tower ³ 120.5 122.5R	Gnd Con 121.7
Radar Services:	
Portland App Con 118.1 ¹ 119.8 ²	
Portland Dep Con 124.9	
Remarks: ¹ 070-289° ² 290-069°. ³ Oper 1500-0700Z.	
REDMOND (L) BVORTAC 117.6/RDM	FSS: REDMOND
RBn M-SAB 3680/RDM	
ROME (H) BVORTAC 112.5/REO	FSS: BAKER

OREGON—Continued

ROSEBURG (L) BVOR 108.2/RBG	FSS: EUGENE CS/T
SALEM-MCNARY FLD IFR 1 SE	FSS: PORTLAND (DL)
207 H58/13-31(2) (S-50, T-60, TT-110)	BL4, 6 SS F4
U1 DT2 RVV: Rwy 31	
Remarks: Rwy 16-34 unlgtd clsd daily from 30 mins before SS til 30 mins after SR and when wea is below VFR mins.	
ILS ¹ 110.3 I-SLE Apch Brg 309° LOM: 266/SL	
Remarks: Non FAA monitored.	
SAUVIES ISLAND RBn MHW 219/SVY	FSS: PORTLAND
THE DALLES (H) BVORTAC 117.2/DLS	FSS: THE DALLES

PENNSYLVANIA

ALLENTOWN-BETHLEHEM-EASTON IFR 3 NE	FSS: ALLENTEWON on Fld
388 H62/6-24(4) (S-55, T-76, TT-125)	BL4, 6, 8A, 9 SS
F5 U2 DT2 RVR: Rwy 6	
Remarks: 5210' avbl lndg rwy 24. Rwy 14-32 open for ngt opern 2415' btm threshold lglts plus 175' of pavement SE of rwy 32 threshold lglts. Threshold lglts apch end rwy 32 offset to sides.	
Allentown Tower 120.5 122.5R 223T	Gnd Con 121.9
Cirrc Del 121.9	
Allentown App Con 118.2 122.5R 117.5T 110.7T 321T	
ILS 110.7 I-ABE Apch Brg 061° LOM: 400/AB	
Allentown (L) BVORTAC 117.5/ABE 180° 4.1 NM to fd.	
Allentown Rng SBMAZ 321/AE 195° 2.5 NM to fd.	
ALTOONA (T) BVOR 108.8/AOO	FSS: ALTOONA
AMBLER RBn MHW 275/ING	FSS: N. PHILADELPHIA
Remarks: State owned.	
BRADFORD (L) BVORTAC 116.6/BFD	FSS: BRADFORD
RBn BMH 224/BFD	
BUTLER RBn MHW 375/BTP	FSS: PITTSBURGH
CARROLLTOWN (L) BVOR-DME 110.6/CLN	FSS: ALTOONA
CLARION (L) BVOR 112.9/CIP	FSS: DU BOIS
COATESVILLE RBn MHW 262/CVE	FSS: N. PHILADELPHIA
CREEK RBn MHW 219/CRK	FSS: PITTSBURGH
CRYSTAL LAKE RBn (MHW) 392/CYE	FSS: WILKES-BARRE
DU BOIS RBn BH 356/DUJ	FSS: DU BOIS
EAST TEXAS (L) BVOTAC 110.2/ETX	FSS: ALLENTEWON CS/T
ELLWOOD CITY (H) BVORTAC 115.8/EWC	FSS: PITTSBURGH
ERIE	
SPORT ERIE IFR 5 SW	FSS: ERIE on Fld
732 H50/6-24(3) (S-75, T-115, TT-)	BL4, 6, 8A, 9, 11
SS F4, JP1 U2 DT2 RVV: Rwy 6 REIL: Rwy 24	
Erie Tower 118.1 122.5R 110.3T (118.4) ¹ Erie Gnd Con 121.9	
Erie App Con 119.0 122.5R 110.3T	
ILS 110.3 I-ERI Apch Brg 060° BC unusable LOM: 349/ER	
Erie (H) BVORTAC 112.7/ERI 060° 6 NM to rwy 6.	
Erie RBn MHW 372/ERI 240° 3.6 NM to rwy 24.	
Remarks: For App/Dep Con for Bradford, McKean Co Arpt Pa. and Jamestown Arpt N.Y. only.	
FITZGERALD (L) BVOR 112.0/FTZ	FSS: DUBOIS
FRANKLIN (T) BVOR 109.6/FKL	FSS: YOUNGSTOWN
RBn MHW 233/FKL	
HARRISBURG-YORK STATE IFR 3 S	FSS: HARRISBURG on Fld
347 H50/8-26(3) (S-65, T-105, TT-185)	BL4, 6, 8A, 9 SS
F4, JP1 U2 RVV: Rwy 8	
Remarks: Rgt tlc rwyws 20 & 26.	
Harrisburg Tower 119.5 126.2 122.5R 109.1T	
Gnd Con 121.9	

PENNSYLVANIA—Continued

Radar Services: (BCN)	
Harrisburg App Con	124.1 126.2 122.5R 109.1T
Harrisburg Dep Con	118.8
ASR Rwy 8, 30	Ceil 1100 Vsby 2 mi Min Alt 1447.
Rwy 26	Ceil 600 Vsby 1 1/2 mi Min Alt 947
ILS 109.1 I-HAR Apch Brg 079°	BC unusable LOM: 219/HAR
Harrisburg (L) BVORTAC	112.5/HAR 108° 7.5 NM to fd.
Harrisburg Rng SBMRAZ	338/HR 118° 0.9 NM to fd.
HAZELTON (T) BVOR	109.4/HZL
RBn MHW ¹	212/HZL
Remarks:	'Oper 1200-2400Z by City.
IMPERIAL (L) BVORTAC	109.4/IRL
FSS: PITTSBURGH	
INDIANA RBn MHW	242/INP
FSS: ALTOONA	
INDIAN HEAD (L) BVOR-DME	108.6/IHD
FSS: MORGANTOWN	
Remarks: To be (L) BVORTAC April 15.	
JOHNSTOWN (L) BVORTAC	113.0/JST
FSS: ALTOONA	
KEATING (L) BVOR	114.7/ETG
FSS: PHILIPSBURG	
LANCASTER IFR 5N	FSS: HARRISBURG (LC 392-0881)
403 H50/8-26(2)	(S-77, T-107, TT-) BL4, 11 S5 F4 DT2
REIL: Rwy 8	
Remarks: Use runways	
Tower ¹ 120.9 122.7R	Gnd Con: 121.7
Tfc Info: Ctc Harrisburg App/Dep Con	
(UBVOR 117.3/LRP	
Rbn MHW 326/LRP	
Remarks: 'Oper 1200-0400Z.	
LATROBE (T) VORW	108.2/LBE
FSS: PITTSBURGH	
MCKEESPORT RBn MHW	287/MKP
FSS: PITTSBURGH	
MILTON (L) BVORTAC	109.2/MP
FSS: WILLIAMSPORT	
PARKWAY RBn MHW	302/PB
FSS: PITTSBURGH	
PHILADELPHIA	
SNORTH PHILADELPHIA IFR	10 NE FSS: N. PHILADELPHIA on Fld
120 H50/6-24(2)	(S-120, T-200, TT-) BL4, S5 F4, JP1 U2 DT2
Remarks: P-line SW.	
Tower 121.3 126.2 122.5R 112.0T	Gnd Con 121.9
Radar Services:	
Philadelphia App Con	127.2 ¹ 123.8 ² 122.7R
Philadelphia Dep Con	119.0 ¹ 128.55 ²
North Philadelphia (T) BVOR	112.0/PNE at fd.
North Philadelphia RBn MHW	343/PNE 238° 2.4 NM to fd.
Remarks: '270-089° '090-269°	
SPHILADELPHIA INTL IFR	5 SW FSS: N. PHILADELPHIA (DL)
14 H95/9-27 (3)	(S-120, T-200, TT-400) BL4, 6, 8A, 9 S5
F5, JP1, JP4, JPS U2 DT2	RVR: Rwy 9
Remarks: Fence E, NE. Constrn vnlly rwy 27.	
Tower 118.5 122.7R	Gnd Con 121.9
*Climc Del 127.7	
Radar Services: (BCN)	
App Con	127.2 ¹ 123.8 ² 122.7R
Dep Con	119.0 ¹ 128.55 ²
PAR ³ Rwy 9 Ceil 200 Vsby 1/2 mi Min Alt 214	
ASR Rwy 9, 17, 27, 35	Ceil 500 Vsby 1 mi Min Alt 514
ILS 109.3 I-PHL Apch Brg 085°.	BC unusable. LOM: 237/PH
VHF/DF available, contact tower.	
Remarks: '270-089° '090-269°	'Radar monitoring of instrument apchs only at pilot's request. VOT: 111.0.
PHILIPSBURG (H) BVORTAC	115.5/PSB
Rbn MHW 236/PSB	FSS: PHILIPSBURG
PICTURE ROCKS RBn MHW	344/PIX
FSS: WILLIAMSPORT	

PENNSYLVANIA—Continued

PITTSBURGH	
\$ALLEGHENY COUNTY IFR	4 S FSS: PITTSBURGH on Fld
1252 H55/9-27(3)	(S-70, T-120, TT-210) BL6, 8A, 9, 11
S5 F4, JP1 U2 DT2	REIL: Rwy 9, 23 and 30
Remarks: 1066' (2049' MSL) hwr 7.5 NM SE.	
Tower 121.1 126.2 122.5R 109.1T	Gnd Con 121.7
Radar Services: (BCN)	
Pittsburgh App Con	124.15 ¹ 134.1 122.7R 118.7 ²
Pittsburgh Dep Con	125.9
ILS 109.1 I-AGC Apch Brg 275°	BC unusable LMM: 201/GC
(H) BVORTAC 117.1/AGC 052°	6.4 NM to fd
RBN H-SAB 254 ³ /AGC 082°	2.0 NM to fd
Remarks: '270-089° '090-269°	
\$GREATER PITTSBURGH IFR	12 NW FSS: PITTSBURGH (DL)
1203 H105/10L-28R(4)	(S-120, T-200, TT-400)
BL4, 6, 8A, 9, 10, 11, 14, 15 S5 F5, JP1, JP4 DT2	VASI: Rwy 28L
RVR: Rwy 10L, 28R, 28L	REIL: Rwy 32
Remarks: Fee. Steep drop-off apch end rwy 28. Rwy 28L threshold displaced 491' W. 7509' avbl Indg rwy 28L. US Customs Indg rts arpt.	
Pittsburgh Tower 119.1 126.2 122.7R 110.3T	
*Climc Del 121.3	Gnd Con 121.9
Radar Services: (BCN)	
Pittsburgh App Con	118.7 ² 134.1 122.7R 124.15 ¹
Pittsburgh Dep Con	125.9
Tfc Info Ctc Radar App Con on 124.15 when approaching from NW & NE, and on 118.7 from SE & SW.	
PAR ³ Rwy 28L Ceil 200 Vsby 1/2 mi Min Alt 1368	
ASR Rwy 5, 14, 23, 28R, 32	Ceil 500 Vsby 1 mi Min Alt 1703
Rwy 10L, 10R, 28L	Ceil 400 Vsby 1 mi Min Alt 1603.
ILS 110.3 I-GPB Apch Brg 277°	BC unusable LOM: 323/GP
111.7 I-LXB Apch Brg 097°	BC unusable LMM: 365/XB
VHF/DF available, contact tower.	
Remarks: '270-089° '090-269°	'Radar monitoring of instrument apchs only at pilot's request. VOT: 111.2
POTTSTOWN (L) BVORTAC	116.5/PTW
FSS: N. PHILADELPHIA	
RAVINE (L) BVORTAC	114.6/RAV
FSS: HARRISBURG	
READING	
\$GENERAL SPAATZ FIELD IFR	2NW FSS: HARRISBURG (LC 376-3045)
343 H51/18-36(3)	(S-30, T-45, TT-175) BL4, 6, 7, 12 S5
F4, JP4 U2 DT2	
Remarks: Rgt Ifc rwy 5, 13, and 36.	
Reading Tower 119.9 126.2 122.5R 109.5T	
Gnd Con 121.9	
Reading App Con 119.9 126.2 122.5R 109.5T	
ILS 109.5 I-RDG Apch Brg 001°	BC unusable LOM: 269/RD
VHF/DF available, contact tower.	
ST. THOMAS (L) BVOR	115.0/THS
FSS: HARRISBURG	
SELINSGROVE (L) BVORTAC	110.4/SEG
FSS: WILLIAMSPORT	
SLATE RUN (H) BVORTAC	113.9/SLT
FSS: BRADFORD	
STONY FORK (L) BVORTAC	111.2/SFK
FSS: ELMIRA	
TANNERSVILLE (L) BVORTAC	114.2/TVE
FSS: ALLENTOWN	
THORNHURST (L) BVORTAC	112.4/TOH
FSS: WILKES BARRE	
TIDIOUTE (L) BVORTAC	117.6/TDT
FSS: BRADFORD	
TOBYHANNA RBn MHW	410/TSD
FSS: WILKES BARRE	
TYRONE (L) BVORTAC	114.9/TON
FSS: PHILIPSBURG	
WEST CHESTER (L) BVORTAC	113.2/ESR
FSS: N. PHILADELPHIA	
\$WILKES-BARRE-SCRANTON IFR	9 NE FSS: WILKES-BARRE on Fld
956 H52/4-22 (3)	(S-100, T-140, TT-) BL4-6, 8A, 9 S5, JP4
DT2 RVR: Rwy 4	

PENNSYLVANIA—Continued

Remarks: Rgt IFC runways 10, 16, 22, 28. Land fee except for pvt owned acft. Due non vsby some areas of Ad, ctr twr.

FAA Dep Proc: Runway 16, 22. Right hand IFC pattern.

Wilkes-Barre Tower 120.1 122.5R 109.9T Gnd Con 121.9

Radar Services: (BCN)

Wilkes-Barre App Con 124.5 122.5R 109.9T

Wilkes-Barre Dep Con 126.3

ASR Runway 4 Ceil 1000 Vsby 1 1/2 mi Min Alt 1956

Runway 10, 22 Ceil 900 Vsby 1 1/2 mi Min Alt 1956

ILS¹ 109.9 I-APP Apch Brg 043° BC unusable LOM: 257/AV

Wilkes-Barre (L) BVORTAC 111.6/APP 242° 13.5 NM to Ad.

Remarks: 'Glide slope unusable from MM to touchdown. Flag indications may be encountered below 4000' MSL beyond 18 NM when more than 15° E of lclzr crs.

WILLIAMSPORT-LYCOMING CO IFR 4 E FSS: WILLIAMSPORT on Fld 528 H50/9-27 (3) (S-40, T-60, TT-) BL4,6,8A,9 SS F4, JP1 DT2

Remarks: Flashing amber indicating rgt turns for Indg runways, lctd SW corner of twr. Runway 15-33 open to acft 12,500 lbs and under. Runway 12-30 (Max-200) Rgt IFC runway 33, 27, 30. Pole E. P-line NW. Runway 12-30 runway lghts inop.

Williamsport Tower 119.1 122.5R

Williamsport Gnd Con 121.9

Williamsport App Con 124.9 122.5R

ILS 110.1 I-IPT Apch Brg 266° BC unusable LMM: 281/PT

Williamsport (L) BVORTAC 114.4/IPT 238° 9.0 NM to Ad.

YARDLEY (H) BVORTAC 115.7/ARD FSS: N. PHILADELPHIA

YORK RBn MHW 242/THV FSS: HARRISBURG

RHODE ISLAND

NAVY QUONSET POINT (L) VOR 114.4/NCO FSS: BOSTON

PROVIDENCE

GREEN IFR 6 S FSS: PROVIDENCE on Fld 56 H54/5R-23L(4) (S-94.5, T-143, TT-) BL5,6,8A,9 SS F5, JP1 U2 DT2 RVV: Runway 5R

Remarks: Fee. No multi engine Indgs 5L, no tkofs 23R.

Providence Tower 120.7 126.2 122.5R 109.3T 368T

Gnd Con 121.9

Cirrc Del 121.9

Radar Services: (BCN)

Quonset App Con 118.6 134.1 120.1

Quonset Dep Con 124.5 126.2 123.8

ILS 109.3 I-PVD Apch Brg 046° BC unusable LOM: 368/PV

Providence (H) BVORTAC 115.6/PVD at Ad.

SOUTH CAROLINA

ALLENDALE (L) BVOR 116.7/ALD FSS: SAVANNAH

ANDERSON (L) BVOR 108.6/AND FSS: ANDERSON

CHARLESTON AFB/MUNI IFR 9 NW FSS: CHARLESTON on Fld 45 H90/15-33 (2) (S-50, T-155, TT-305) BL4,6,8A,9,10 SS F5, JPS U2 VASI: Runways 15, 21, & 33 RVR: Runway 15

Tower 126. 122.5R 121.0 113.5T 109.7T Gnd Con 121.9

Cirrc Del 121.7

Radar Services:

App Con 119.3 118.5 113.5T 109.7T

Dep Con 123.9

ASR Runways 3, 15, 21, 33 Ceil 400 Vsby 1 mi Min Alt 445.

PAR Runway 3 Ceil 200 Vsby 1/2 mi Min Alt 245

Runway 15 Ceil 400 Vsby 3/4 mi Min Alt 445

Runway 33 Ceil 400 Vsby 1 mi Min Alt 445

ILS¹ 109.7 I-CHS Apch Brg 149° BC unusable LOM: 329/CH

(H) BVORTAC 113.5/CHS on Ad.

RBn H-SAB 329●/CH

Remarks: LOM is H-SAB. VOT: 111.0.

SOUTH CAROLINA—Continued

CHESTERFIELD (L) BVOR 108.2/CTF

FSS: FLORENCE

COLUMBIA

SCOLUMBIA METROPOLITAN IFR 5SW

FSS: FLORENCE (LC 254-9791)

236 H75/10-28(2) (S-45, T-130, TT-270) BL6, 8A, 9 SS F5

JP1 U2 RVV: Runway 10

Remarks: Runway 5-23 (S-45, T-170, TT-320).

Tower 126.2 122.5R 119.5 110.3T Gnd Con 121.9

App Con 118.2 122.5R 114.7T 110.3T

ILS 110.3 I-CAE Apch Brg 107° BC unusable LOM: 356/CA

(H) BVORTAC 114.7/CAE 332° 5.7 NM to Ad.

SOWENS FIELD 1SE

FSS: FLORENCE (LC 254-9791)

203 H36/15-33(2) (S-30) L4 SS F4 U1

Remarks: Rgt IFC SE, NE. Clsd nghts to transient civ acft due unlgtd obstrns. P-lines W, SE. Roads NW, NE.

Tower¹ 126.2 122.5R

Columbia App Con 118.2 122.5R 110.3T 227T

Remarks: 'AAS—Oper weekdays 1230-1630Z and 1745-2115Z. Sat 1230-1600Z.

CONWAY RBn HW 269/MTL

FSS: FLORENCE

FLORENCE (H) BVORTAC 115.2/FLO

FSS: FLORENCE

FORT MILL (L) BVOR 112.4/FML

FSS: HICKORY

GREENVILLE

GREENVILLE MUNI DOWNTOWN IFR 2 E

FSS: GREER

1047 H54/18-36 (3) (S-21, T-30, TT-60) BL4,6 SS F4, JP1 U2

Remarks: Rgt IFC runways 18, 27, 23.

Tower 119.9 126.2 122.5R 109.7T 391T Gnd Con 121.9

Radar Services: (BCN)

App Con 118.0 124.3 122.5R 119.4 109.7T

Dep Con 118.8

ASR Runway 18 Ceil 500 Vsby 1 mi Min Alt 1547.

Runway 36 Ceil 400 Vsby 1 mi Min Alt 1447.

ILS¹ 109.7 I-GRL Apch Brg 002° BC unusable LOM: 272/GR

Remarks: 'Glide slope unusable below 1347' MSL.

GREENWOOD (L) BVORTAC 114.9/GRD

FSS: ANDERSON

GREER

GREENVILLE-SPARTANSBURG IFR 3 S

FSS: GREER on Fld

972 H76/3-21 (2) (S-120) BL6,8A,9, 14,15 SS F5, JPS U2

RVV: Runway 3

Remarks: Fee commercial only.

Greer Tower 120.1 126.2 122.7R 115.7T 109.3T 209T

Gnd Con 121.8

Radar Services: (BCN)

Greenville App Con 118.0 126.2 124.3 122.5R 119.4 109.7T

Greenville Dep Con 118.8

ILS 109.3 I-GSP Apch Brg 033° LOM: 287/GS

MYRTLE BEACH (L) BVOR 116.0/MYR

FSS: FLORENCE

SHAW AFB (L)VOR 109.2/SSC

FSS: FLORENCE

RBn HW 375/SW

SPARTANSBURG DOWNTOWN MEMORIAL IFR 2SW

FSS: GREER (LC 585-5470)

816 H52/4-22(3) (S-56) BL4, 6 SS F5, JPS

Tower¹ 118.3 126.2 122.5R 317T

Gnd Con 121.9

Cirrc Del 121.9

Radar Services: (BCN)

Greenville App Con 124.3

Greenville Dep Con 118.8

SOUTH CAROLINA—Continued

(H) BVORTAC 115.7/SPA 196° 7.0 NM to rnwy 17.
RBn H-SAB 248●/SPA 068° 1.2 NM to fd.
Remarks: ¹Oper 1100-0300Z.

VANCE (L) BVOR 110.4/VAN FSS: CHARLESTON

SOUTH DAKOTA

ABERDEEN (H) BVORTAC 113.0/ABR FSS: ABERDEEN

BROOKINGS RBn HW 232/BKX

Remarks: To be in common system.

DU PREE (H) BVORTAC 116.8/DPR FSS: PIERRE

ELLSWORTH (L) BVOR 110.8/RCA FSS: RAPID CITY

HURON

SHOWES MUNI IFR 1NW FSS: HURON on Fld
1287 H51/12-30(2) (S-50, T-75, TT-132) BL6,11 SS F2,4 U1
REIL: Rwy 12

Remarks: Rwy 17-35 clsd to acft over 3500 lbs; usable length 1875'.

ILS¹ 110.3 1-HON Apch Brg 118° LOM: 302/HO
Huron (L) BVOR 117.6/HON 124° 4.5 NM to fd.

Huron RBn SBH 391/HON 041° 2.4 NM to fd.

LEMMON (T) VOR 111.4/LEM FSS: DICKINSON
Remarks: VFR use only.

MITCHELL (L) BVOR 109.2/MHE FSS: HURON
Remarks: VFR use only.

MOBRIDGE (T)VOR 108.6/MBG
Remarks: Voice 0700-1900. State owned, operd. VFR use only.

PHILIP (L) BVOR 108.4/PHP FSS: PIERRE

PIERRE (L) BVORTAC 112.5/PIR FSS: PIERRE
RBn SHB¹ 347/PIR

Remarks: ¹VFR use only.

RAPID CITY MUNI IFR 8SE FSS: RAPID CITY on Fld
3181 H62/14-32(2) (S-63, T-85, TT-140) BL6,11 SS F4 U2
JP1 REIL¹ Rwy 14, 32.

Remarks: ¹Non FAA approved.

Tfc Info Ellsworth App Con

Tower¹ 118.7 122.5R Gnd Con 121.9

(H) BVORTAC 112.3/RAP 322° 4.0 NM to fd.

RBn² H-SAB 254/RAP 102° 1.7 NM to fd.

VHF/DF avbl, ctc FSS.

Remarks: ¹Oper 1300-0500Z. ²To be SABH June 23.

SIOUX FALLS

\$JOE FOSS FIELD IFR 2NW FSS: HURON (DL)
1428 H90/3-21(3) (S-85, T-120, TT-220) BL4,6,8A,9,11 SS

FS JP1 U2 RVR: Rwy 3, 21 REIL: Rwy 15

Remarks: Rwy 3 clsd acft over 120,000 lbs. 1032' (2442' MSL) twr 8 NM SE. Rwy 9-27 clsd acft over 30,000 lbs. First 300' rwy 27 unusable tkof. Usable length 5392'. Rwy 9-27 unserviceable for acft over 15 tons.

Foss Tower 118.3 122.5R Gnd Con 121.9
Foss App Con 125.8 122.5R 115.0T 109.9T 245T

Tfc Info Ctc App Con on 125.8

ILS 109.9 1-FSD Apch Brg 026° LOM: 219/FS

Sioux Falls (H) BVORTAC 115.0/FSD 147° 4.1 NM to fd.

Sioux Falls RBn SBH 245/FSD 094° 1.9 NM to fd

WATERTOWN (L) BVORTAC 116.6/ATY FSS: WATERTOWN

WINNER (L) BVOR 112.8/ISD FSS: PIERRE

YANKTON (L) BVOR 111.4/YKN FSS: HURON

TENNESSEE

BOONE RBn HW 221/BON

BRISTOL

STRI-CITY IFR 12SW

FSS: TRI-CITY on Fld

TENNESSEE—Continued

1519 H66/4-22(2) (S-95, T-125, TT-215) BL6,8A,9 SS
F5, JP1 U2 RVR: Rwy 22

Tower¹ 119.5 126.2 122.5R 114.6T 109.9T Gnd Con 121.9

Radar Services:

App Con 125.7 118.4 126.2 122.5R 114.6T

Dep Con 119.5 126.2

ILS¹ 109.9 I-TRI Apch Brg 224° BC unusable LOM: 299/TR ASR Rwy 4 Ceil 600 Vsby 1 mi Min Alt 2119

Rwy 22² Ceil 700 Vsby 1 mi Min Alt 2219

Remarks: ¹Glide slope and lclzr unusable below 2119' MSL. Lclzr unusable above 6000' MSL. ²Oper 1100-0500Z. *Main-tain 2300' til passing 2.5 mi radar fix on final.

BROOKS RBn MHW 287/ME FSS: MEMPHIS

CHATTANOOGA

\$LOVELL FIELD IFR 5E FSS: CROSSVILLE (LC 267-5343)

682 H62/2-20(2) (S-90, T-120, TT-) BL4,6,8A,9,10

SS F5, JP4, JP5 U2 VASI: Rwy 2 RVR: Rwy 20

Chattanooga Tower 118.3 119.2 126.2 122.5R 109.5T Gnd Con 121.9

Radar Services: (BCN)

Chattanooga App Con 119.2¹ 125.1²

Chattanooga Dep Con 119.2¹ 125.1²

Tfc Info Ctc App Con 25NM out on 125.1

ASR Rwy 2 Ceil 400 Vsby 1 mi Min Alt 1082

Rwy 20 Ceil 500 Vsby 1 mi Min Alt 1182

Rwy 32 Ceil 600 Vsby 1 mi Min Alt 1282

ILS 109.5 I-CHA Apch Brg 196° LMM: 201/HA

Chattanooga (H) BVORTAC 115.8/CHA 332° 4.9 NM to fd

N Chattanooga RBn MHW 341/CQN 196° 7.7 NM to fd.

Remarks: 016-196° 197-015° Glide slope unusable below 882' MSL.

CLARKSVILLE (T) BVOR 110.6/CKV FSS: NASHVILLE

CROSSVILLE (L) BVORTAC 117.6/CSV FSS: CROSSVILLE

RBn MHW¹ 375/CMA

Remarks: ¹Operd by City. Unusable beyond 15 NM.

DYERSBURG (L) BVORTAC 116.8/DYR FSS: DYERSBURG

GRAHAM (L) BVOR 111.6/GHM FSS: NASHVILLE

HARDEE RBn MHW 281/MKL

Remarks: Privately owned.

HIGHWAY (L) BVOR 108.4/HIY FSS: CROSSVILLE

HOLSTON MOUNTAIN (L) BVORTAC 114.6/HMV FSS: BRISTOL CS/T

JACKS CREEK (L) BVORTAC 109.4/JKS FSS: JACKSON

KNOXVILLE

\$McGHEE-TYSON IFR 11S FSS: KNOXVILLE on Fld

989 H90/4L-22R(3) (S-84, T-90, TT-200) BL4,6,8A,9 SS

FS, JP1 U2 RVR: Rwy 4L.

Remarks: Rgt tfc rwy 4R and 22R.

Knoxville Tower 118.7 126.2 122.5R 116.4T 110.3T Gnd Con 121.9

Radar Services:

Knoxville App Con 123.9 122.5R 116.4T 110.3T

Knoxville Dep Con 120.2

Tfc Info Ctc App Con 25 mi out.

ASR Rwy 4L Ceil 400 Vsby 1 mi Min Alt 1389.

Rwys 18, 22R Ceil 500 Vsby 1 mi Min Alt 1489

ILS 110.3 I-TYS Apch Brg 046° BC unusable LOM: 353/TY

Knoxville (H) BVORTAC 116.4/TYS 222° 6.6 NM to rwy 22R.

Knoxville RBn H-SAB¹ 257/TYS 200° 2.6 NM to fd

VHF/DF available, contact tower.

Remarks: AB 1000-0300Z. VOT: 112.0.

TENNESSEE—Continued

\$MEMPHIS METROPOLITAN IFR 3S FSS: MEMPHIS on Fld 331 H69/9-27(4) (S-105, T-150, TT-240) BL4,6,8A,9,10,15 SS F5,JPS U2 VASI: Rwy 27 RVR: Rwy 9, 35
Remarks: Rwy 3-21 & 14-32 (S-100). Rwy 17-35. (S-110, T-150, TT-270). 3816' avbl Indg & tkoff both directions rwy 14-32. 1088' (1340' MSL) lwr 9 NM NNE. 1078' (1333' MSL) lwr 10 NM NE. 1077' (1349' MSL) lwr 11 NM NE. Touchdown zone lghts rwy 35.
Tower 126.2 122.5R 118.3 115.5T 110.5T 109.5T Gnd Con 121.9
Radar Services: (BCN)
App Con 119.1¹ 126.2 125.8² 122.5R 115.5T 110.5T 109.5T Dep Con 119.7
Tfc Info Ctc App Con 25 mi out.
ASR Rwy 3, 9, 17, 21, 27, 35 Ceil 400 Vsby 1 mi Min Alt 731
ILS 109.5 I-MEM^a Apch Brg 087° LOM: 287/ME 110.5 I-TSE^b Apch Brg 354° BC unusable LOM: 371/TS^c
(H) BVORTAC 115.5/MEM 346° 5.4 NM to rwy 35.
RBn SBM 371/TS 354° 4.7 NM to fld
VHF/DF available, contact FSS
Remarks: 077-271° 272-076° ^dGlide slope unusable below 400' MSL. ^eLOM is Brooks MHW. ^fLOM is SBH. ^gGlide slope unusable below 350' MSL. VOT: 111.0

\$NASHVILLE METROPOLITAN IFR SSE FSS: NASHVILLE on Fld 597 H80/13-31(3) (S-76, T-130, TT-220) BL4,6,8A,9 SS F5, JPS U2 RVR: Rwy 2L
Remarks: Rwy 2R-20L-240' overrun N end; 1185' S end; rwy 2L-20R-1065' overrun S end; rwy 13-31-1000' overrun SE and NW end. 1368.5' (2049' MSL) lwr 8.5 NM W. 1179' (2049' MSL) 9 NM NNW.
Berry Tower 126.2 122.5R 119.1 109.9T Gnd Con 121.9
Radar Services: (BCN)
App Con 120.6 124.0 122.5R 109.9T
Dep Con 118.4
Tfc Info Ctc App Con 25 mi out on 120.6.
ASR Rwy 2L, 13, 20R¹, 31 Ceil 400 Vsby 1 mi Min Alt 997
ILS 109.9 I-BNA Apch Brg 016° LOM: 304/BN Nashville (H)BVORTAC 114.1/BNA 313° 4.5 NM to fld.
Nashville RBn H-SAB² 304⁰/BN 016° 5.0 NM to rwy 13.
VHF/DF available, contact tower
Remarks: ^hMain 1200' til 2 mi from end of rwy on final to rwy 20R. LOM is H-SAB. ⁱAB 0500-2200. VOT: 112.0.

NORTH CHATTANOOGA RBn MHW 341/CQN FSS: CROSSVILLE
SEWANEE RBn MHW 298/UOS FSS: CROSSVILLE
Remarks: Oper by Univ. of South-Franklin Co.
SEWART RBn HW 391/SY FSS: NASHVILLE
SHELBYVILLE (L) BVOR 109.2/SYI FSS: NASHVILLE
RBn MHW 212/SYI
SNOWBIRD (L)BVOR 108.8/SOT
Remarks: To be comsnd April 28.

TEXAS

\$ABILENE MUNI IFR 3SE FSS: ABILENE on Fld 1778 H60/17-35(2) (S-70, T-89, TT-145) BL4,6,8A,9 SS F4 JPS U2 RVR: Rwy 35
Remarks: NW-SE rwy used by lgt acft for Indg during high cross wind conditions. Rgt tfc rwy 4 & 35. VFR arriving acft requested ctc ABI App Con 124.1 mc transmitt 122.5 and receive 124.1 mc 20 mi out.
Tower¹ 120.1 122.7R 110.3T 126.2 Gnd Con 121.9
Radar Services: (BCN)
App Con 124.1 126.5 121.3 134.1 110.3T 113.7T 109.2T Dep Con 125.0

TEXAS—Continued

Tfc Info Ctc App Con 121.3 or trans 122.5 and rec 121.3 mc 25 mi out
ILS 110.3 I-ABI Apch Brg 350° LOM: 353/AB (H) BVORTAC 113.7/ABI 102° 9.5 NM to fld.
Remarks: ^jOpers 0600-2300 lcl time.
ALICE (L) BVOR 114.5/AI FSS: ALICE
\$AMARILLO AFB/MUNI IFR 8E FSS: AMARILLO on Fld 3605 H135/3-21(2) (S-65, T-330, TT-470) BL4,6,8A,9,10 SS F5, JPS U2 VASI: Rwy 3, 21 RVR: Rwy 3, 21
Remarks: Rgt tfc rwy 3. Rectangular fc ptin 5100' MSL. Overhead fc ptin 5400' MSL. Rwy 13-31 lmtd to 33,000 lbs GWT.
Tower 126.2 122.5R 118.3 Gnd Con 121.9
Radar Services: (BCN)
App Con 121.1 126.2 124.8 122.5R 117.2T 110.3T
Dep Con 119.5
Tfc Info Ctc App Con 25 NM out on 124.8 ASR Rwy 3, 21 Ceil 400 Vsby 1 mi Min Alt 4005. Rwy 13, 31 Ceil 500 Vsby 1½ mi Min Alt 4105
ILS¹ 110.3 I-AMA Apch Brg 035° LOM: 338/AM (H) BVORTAC 117.2/AMA 210° 4.5 NM to fld.
RBn SABH 251⁰/AMA 109° 1.3 NM to fld.
Remarks: ^kGlide slope unusable below 3905' MSL. LOM is Trade-wind MHW.
ANDRAU RBn MHW 269/AAP FSS: HOUSTON
AUSTIN
\$MUELLER MUNI IFR 2NE FSS: AUSTIN on Fld 631 H73/12R-30L(S) (S-74, T-100, TT-159) BL4,6,8A,9,10 SS F5, JPS U2 VASI: Rwy 12R RVR: Rwy 30L
Remarks: Rgt tfc rwy 12R, 16R, 30R & 21. Trees apch rwy 34L. Rwy 12R threshold displaced 900' SE. 6400' avbl Indg rwy 12R. Rwy 16R threshold displaced 600' S. 4406' avbl Indg rwy 16R. 1137' (2049' MSL) lwr 5 NM W. 1199' (2049' MSL) lwr 7 NM W.
Austin Tower 118.3 126.2 122.5R 109.5T Gnd Con 121.9
Radar Services: (BCN)
Austin App Con 124.9 118.8 122.7R 112.5T Austin Dep Con 120.8 ASR Rwy 12R, 30L Ceil 400 Vsby 1 mi Min Alt 1031 Tfc Info Contact App Con 25 mi out on 118.8.
ILS 109.5 I-AUS Apch Brg 305° LOM: 353/AU Austin (H) BVORTAC 112.5/AUS 175° 5.1 NM to fld.
Austin RBn MHW 353/AU 305° 4.8 NM to fld.
Remarks: LOM is MHW.
BEAUMONT-PORT ARTHUR
\$JEFFERSON CO IFR 9SE FSS: BEAUMONT on Fld 16 H57/11-29(3) (S-65, T-91, TT-170) BL4,6,8A,9,11 SS F4, JPS U2 RVR: Rwy 11 REIL: Rwy 16 Remarks: (S-83, T-118, TT-212) avbl rwy 16-34.
Tower 119.5 122.5R Gnd Con 121.9 Beaumont App Con 121.3 122.5R 114.9T ILS 109.5 I-BPT Apch Brg 114° LOM: 257/BP Beaumont (L) BVOR 114.9/BPT 057° 4.6 NM to fld.
RBn¹ MHW 368/BEM Remarks: ^lVFR use only.
BEEVILLE FSS: ALICE
\$CHASE (NAAS) FLD 4SE 186 H80/13R-31L(3) BL4,6,7 Remarks: Open to civil acft; clsd to acft less than 2600 lbs GWT. Fee: Hvy jet trng tfc.
Tower: 134.1 126.2
BENBROOK (L) VORW 108.8/BEO FSS: FORT WORTH
BERGSTROM (L) VORW 109.8/BSM FSS: AUSTIN RBn HW 293/BSM

TEXAS—Continued

BIGGS RBn HW 400/BIF	FSS: EL PASO
BIG SPRING (L) BVOR 114.3/BGS	FSS: MIDLAND
RBn SBH 326 /BGS	
BORGER (L) BVOR 108.6/BGD	FSS: AMARILLO
BRAZOS SANTIAGO RBn HW 314/PIL	CS/T: BROWNSVILLE
BRIDGEPORT (L) BVORTAC 116.5/BPR	FSS: FORT WORTH
BRITTON (L) BVORTAC 117.0/BRT	FSS: FORT WORTH
BROWNSVILLE	
S RIO GRANDE VALLEY INTL IFR 4E AOE	FSS: BROWNSVILLE on Fld
22 H71/13R-31L(6) (S-26, T-50, TT-87)	BL4,6,7,8A,9
S5 F5, JP1 JP4 U2	
Remarks: Rwy lghts on req after 2400. Constrn vcnly fld. Brush apch 31L. Trees apch rwy 31R, 35R. Rwy 17R-35L: (S-35, T-56, TT-108). Rwy 8-26 and 4-22 do not meet air carrier standards for day/ngt operns.	
Brownsville Tower 118.1 126.2 122.5R	Gnd Con 121.9
Brownsville App Con 119.5 126.2 118.1 388T	
ILS 110.3 I-BRO Apch Brg 173° LOM: 219/BR	
Brownsville (H) BVORTAC 116.3/BRO 242° 2.3 NM to fld.	
Brownsville RBn SBH 388/BRO 155° 2.0 NM to fld.	
BROWNWOOD (T) BVOR 108.6/BWD	FSS: ABILENE
BUFFALO (L) VORW 114.7/ARO	FSS: BUFFALO
CEDAR HILL RBn MHW 353/CDI	FSS: DALLAS
CHASE (H) VOR 116.6/NIR	FSS: ALICE
CHILDRESS (L) BVOR 117.6/CDS	FSS: CHILDRESS
CLINT (L) BVOR 117.6/CNT	FSS: EL PASO
COLLEGE STATION	
EASTERWOOD FIELD IFR 2SW	FSS: COLLEGE STATION on Fld
319 H51/10-28(3) (S-30, T-40, TT-) BL4 S3 F4 JP1	
Remarks: Services offered dalgt hrs only. Due non-vsby some areas of fld, ctc twr.	
Tower ¹ 118.5 126.2 122.5R	Gnd Con 121.9
College Station (L) BVOR 113.3/CLL 099° 2.5 NM to rwy 10.	
Remarks: ¹ Oper 1200-0400Z.	
CONNALLY RBn MHW 400/CNW	FSS: WACO
SCORPUS CHRISTI INTL IFR 5W	FSS: ALICE (LC TU 4-5712)
43 H56/13-31(2) (S-96, T-108, TT-152)	BL4,6,8A,9 S5
F4, TP-1 JP4 U2 RVV: Rwy 13	
Remarks: Amber flashing lgt for rgt ptn. US Customs-Indg rts arpt 0800-1700 Mon-Fri. Req arrival notice be forwarded to customs when filing fl plan in Canada, Mexico or Cuba.	
Tower 120.9 122.5R	Gnd Con 121.9
Radar Services:	
App Con 118.3 125.4 122.7R 134.1	
Dop Con 124.8	
ILS 110.3 I-CRP Apch Brg 127° LOM: 393/CR	
(H) BVORTAC 115.5/CRP 191° 7.9 NM to fld.	
RBn SBH 382/CRP 216° 2.2 NM to fld.	
COTULLA (L) BVORTAC 115.8/COT	FSS: COTULLA
DAISETTA (L) BVOR 110.6/DAS	FSS: HOUSTON
DALHART (L) BVORTAC 112.0/DHT	FSS: DALHART
DALLAS	
S ADDISON IFR 9N	FSS: DALLAS (LC FL2-8491)
637 H52/15-33(2) BL4 S5 F5, JP1 U2	
Remarks: P-line NE.	
Tower 121.1 122.7R	Gnd Con 121.7
Radar Services:	
Dallas App Con 125.8 ¹ 125.2 119.8 ² 110.3T	
Dallas Dop Con 119.5	

TEXAS—Continued

Addison (T) BVOR 111.4/ADS on fld.	
Remarks: ¹ 127°-307° ² 308°-126°.	
SDALLAS LOVE FIELD IFR SNW	FSS: DALLAS on fld
485 H88/13R-31L(3) (S-100, T-150, TT-350)	BL4,6,8A,9,-
10,11,14 S5 F5,JP4 U2 VASI: Rwy 31R REIL: Rwy 31R	
RVR: Rwy 13L	
Remarks: Rwy 13R-31L limited to tkts only. US Customs Indg rts arpt 0030-1430 Mon-Fri, 0030-1630 Sat. Req arrival notice be forwarded customs when filing fl plan in Canada, Mexico or Cuba. Due lgt reflections during hrs darkness ctc twr for restrictions.	
Tower 126.2 122.5R 118.7	Gnd Con 121.9
#Clnrc Del 121.6	
ATIS 120.7	
Radar Services:	
Dallas App Con 119.8 ³ 125.2 125.8 ² 122.5R 111.4T	
110.3T	
Dallas Dep Con 119.5	
Tfc Info Ctc App Con 25 mi out	
PAR ⁴ Rwy 13L Cel 200 Vsby ½ mi Min Alt 685	
ASR Rwy 13, 18, 31 ¹ , 36 Cel 400 Vsby 1 mi Min Alt 885	
ILS ¹ 110.3 I-DAL Apch Brg 128° LOM: 371/DA	
Dallas (H) BVORTAC 114.6/DAL 220° 15.6 NM to fld.	
VHF/DF available, contact tower	
Remarks: ¹ Maint at least 1400 til 3.5 mi from apch end of rwy 31 and 1000 til 1.4 mi from apch end of rwy 31. ² 127°-307° ³ 308°-126° ⁴ Glide slope unusable below 677' MSL due roughness. BC unusable for automatic apchs. Actv apch Love field from W and S side of lclzr crs extended should ctc Dallas App Con on 125.8. Actv apchg from N and E side of lclzr crs should ctc Dallas App Con on 119.8. ⁵ Radar monitoring of instrument apchs only at pilot's request VOT: 111.0	
RED BIRD IFR 6SW	FSS: DALLAS (LC FL2-8491)
659 H44/13-31(2) BL4 S5 F4, JP1 U2	
Remarks: 1521' (2349' MSL) twr 7.5 NM SW.	
Tower ¹ 120.3 122.6R	Gnd Con: 121.7
Radar Services:	
Dallas App Con 125.8 ¹ 125.2 122.5R 119.8 ²	
114.4T 110.3T	
Dallas Dep Con 119.5	
Remarks: ¹ 127°-307° ² 308°-126° ³ Oper 1200-0400Z.	
DUNCANVILLE RBn MHW 287/DCV	FSS: DALLAS
DYESS (L) VOR 109.2/DYS	FSS: ABILENE
RBn MHW 201/DYS	
EAGLE LAKE (L) BVOR 108.6/ELA	FSS: HOUSTON
EAGLE MOUNTAIN LAKE (L) VORW 108.4/EWX	
ELLINGTON (T) VORW 111.6/EFD	
SEL PASO INTL IFR 4NE (AOE)	FSS: EL PASO on fld
3956 H120/4-22(3) (S-95, T-156, TT-280)	BL4,6,8A,9,11 S5
F5,JP1, JP4 U2 RVV: Rwy 22 REIL: Rwy 26	
Remarks: Rwy 4 threshold displaced 1000' NE. 11,000' avbl Indg rwy 4. Rwy 17 threshold displaced 395' S. 6606' avbl Indg rwy 17.	
Tower 118.3 126.2 122.5R	Gnd Con 121.9
Radar Services: (BCN)	
App Con 118.7 126.2 124.3 122.7R 121.3 119.1	
114.5T 112.4T	
Dop Con 119.1	
ASR Rwy 22,26 Cel 400 Vsby 1 mi Min Alt 4356	
ILS ¹ 109.5 I-ELP Apch Brg 218° LOM: 266/EL	
(H) BVORTAC 114.5/ELP 257° 3.8 NM to fld.	
RBn H-SAB 242 /ELP 258° 3.2 NM to fld.	
Remarks: ¹ BC not avbl; overlies Mexico. VOT: 111.0.	

TEXAS—Continued

FORT STOCKTON (H) BVORTAC	112.8/FST	FSS: WINK
FORT WORTH		
§GREATER SOUTHWEST INTL DALLAS-FT. WORTH FLD IFR 16NE		
568 H80/17-35(2) (S-83, T-120, TT-210)	BL4,6,8A,9 S3	FSS: FORT WORTH
F5 U2 RVR: Rwy 13		
Remarks: 1074' (1679' MSL) twr 10.5 NM WSW.		
Southwest Tower 118.9 126.2 122.7R	Gnd Con 121.8	
Radar Services:		
Fort Worth App Con 118.1 126.2 122.7R 119.6 109.5T 110.6T		
Fort Worth Dep Con 123.9 122.7R		
Tfc Info Ctc App Con 25 NM out on 118.1		
ASR Rwy 13, 17, 31, 35 Ceil 400 Vsby 1 mi Min Alt 968		
ILS 109.5 I-GSW Apch Brdg 129° LOM: 219/GS		
Greater Southwest (L) BVORTAC ¹ 110.6/GSW at Rd.		
VHF/DF available, contact tower		
Remarks: VOT: 111.8. ¹ Wea bsts discontd 2400-0600 excep forecast.		
§MEACHAM FIELD IFR 5N		
692 H52/17-35(3) (S-60, T-80, TT-)	BL4,6,7,8A,9 S5	FSS: FORT WORTH on Fld
F5, JPS U2 RVR: Rwy 17		
Remarks: P-line SE.		
Tower ² 126.2 122.7R 118.3	Gnd Con 121.9	
Radar Services:		
Fort Worth App Con 119.6 126.2 122.7R 118.1 109.5T		
Fort Worth Dep Con 123.9 122.7R		
ILS 109.9 I-FTW Apch Brdg 174° LOM: 365/FT		
Fort Worth RBn H-SAB 345°/FT 174° 3.5 NM to rwy 17		
Remarks: ¹ Oper 1200-0400Z. LOM is H-SAB. VOT: 108.2.		
GALVESTON (L) BVORTAC	112.8/GLS	FSS: GALVESTON
RBn H-SAB 206°/GLS		
GLAD OAKS MHW	215/ALC	
GRAY RBn HW	323/GRK	FSS: COLLEGE STATION
GREENVILLE		
§MAJORS FIELD IFR 4SE		
544 H80/17-35(3) (S-26, T-50, TT-)	BL4 S5 F4	FSS: DALLAS
Remarks: Rgt Ifc rwy 17.		
Tower ³ 121.3 122.5R Gnd Con 121.7		
Remarks: ¹ Oper 1330-2200Z excep Sat & Sun.		
GUTHRIE (L) BVOR	112.4/GTH	FSS: CHILDRESS
HARLINGEN (L) BVOR	108.8/HRL	FSS: BROWNSVILLE
HOOD (L) VORW	111.8/HLR	FSS: COLLEGE STATION
RBn MHW 347/HLR		
HOUSTON		
§WILLIAM P HOBBY IFR 8SE		
48 H76/3-21(3) (S-75, T-107, TT-185)	BL4,6,8A, 9, 10 S5	FSS: HOUSTON on Fld
F5, JP4 U2 RVR: Rwy 3 VASI: Rwy 12		
Remarks: US Customs Indg rghts arpt 0800-1700 Mon-Sat, req arrival notice be forwarded to US Custom when filing fit plan in Canada, Mexico or Cuba. First 150' pavement adj ends rwy 12-30, 3-21 not usable for Indgs or taxg acft; usable rwy pavement begins 25' beyond green threshold lghts. Soft backfill along both sides NW/SE rwy.		
Tower 118.7 126.2 122.5R	Gnd Con 121.9	
#Cmc Del: 127.6		
ATIS 109.9		
Radar Services:		
App Con 118.1 ¹ 126.2 124.5 122.5R 119.1 ² 115.9T		

TEXAS—Continued

Dop Con 120.2 126.2		
Tfc Info Ctc App Con 25 mi out on 119.1 or 118.1		
ASR Rwy 3, 12, 21, 30, 35 Ceil 400 Vsby 1 mi Min Alt 440		
Rwy 17 Ceil 500 Vsby 1 mi Min Alt 540		
ILS 109.9 1-HOU Apch Brdg 036° LOM: 251/HO		
Houston (H) BVORTAC 115.9/HOU on fld.		
Houston RBn HW 332/HOU 311° 1.4 NM to fld.		
VHF/DF available, contact tower.		
Remarks: ¹ 218°-008° ² 009°-217° VOT: 111.0		
HUDSPETH (L) VORW	115.0/HUP	FSS: EL PASO
HYMAN (L) BVOR	110.4/HYM	FSS: MIDLAND
INDUSTRY (L) VOR	110.2/IDU	FSS: COLLEGE STATION
JASPER RBn MHW	344/JAS	FSS: LUFKIN
§JOHNSON CITY IFR 10W		
1515 H63/17-35(1) 14,11 F4 U1		REIL: Rwy 35
Tower ¹ 126.2		
Radar Services:		
Austin App Con 124.9 118.8 122.7R		
Austin Dop Con 120.8		
RBn MH 393/JCY 346° 2 NM to fld.		
Remarks: ¹ Wea and alt setting avbl when twr is in opern.		
JUNCTION (L) BVORTAC	116.0/JCT	FSS: SAN ANTONIO
Remarks: Oper 1200-2400Z.		
KELLY (L) VORW	113.8/SKF	FSS: SAN ANTONIO
RBn MHW 245/SK		
KINGSVILLE (L) VOR	109.6/NQI	FSS: ALICE
§LAREDO MUNI IFR 6N (AOE)		
524 H49/15-33(1) (S-25, T-37, TT-)	BL4 S3 F4 U1	FSS: COTULLA (LC RA2-3612)
Remarks: Mil jet Ifc advisory service avbl from AFB twr on 122.5R, 118.5T.		
VFR ADV Ctc Laredo App Con on 126.2, 122.5R, 118.5T.		
(H) BVORTAC 117.4/LRD 316° 9.3 NM to rwy 33.		
RBn HW ² 308/LRD		
Remarks: ¹ Oper 1200-2400Z Mon-Fri.		
LAUGHLIN (L) VOR	114.4/DLF	FSS: JUNCTION
RBn H 287/DLF		
LA VERNIA (L) BVOR	112.0/LVR	FSS: SAN ANTONIO
LEONA (L) BVORTAC	110.8/LOA	FSS: COLLEGE STATION
LLOANO (L) BVOR	108.2/LLO	FSS: AUSTIN
LOMETA (L) BVORTAC	117.9/MTA	FSS: AUSTIN
LONE STAR RBn MHW	305/LST	FSS: GREGG COUNTY
LONGVIEW		
§GREGG COUNTY MUNI IFR 6SE		
365 H61/17-35(3) (S-75, T-100, TT-)	BL4,6 S5 F4	FSS: GREGG COUNTY on Fld
JP1 U2 RVR: Rwy 13		
Tower 119.7 122.5R	Gnd Con 121.9	
ILS 109.5 I-GGG Apch Brdg 127° LOM: 410/GG		
Gregg County (L) BVORTAC 112.4/GGG 126° 2.3 NM to rwy 13.		
SLUBBOCK MUNI IFR 4NE		FSS: LUBBOCK on Fld
3269 H85/17R-35L(5) (S-90, T-150, TT-250)	BL5,6,8A,9	
S5 F4,JP1 U2 RVR: Rwy 17R		
Remarks: Rwy 35L threshold displaced 900' N. 7600' avbl Indg rwy 35L, 8500' avbl Indg rwy 17R. Cld to tactical mil jet acft.		
Tower 119.9 126.2 122.5R Gnd Con 121.9		
App Con 118.1 126.2 122.5R 110.8T		

TEXAS—Continued

Dop Con	118.1	
ILS 109.5 I-LBB Apch Brg 169°	LOM: 219/LB	
(H)BVORTAC 110.8/LBB 112°	5.2 NM to Rwy 12	
LUFKIN (H) BVORTAC	112.1/LFK	PSS: LUFKIN
MAJORS (L) VOR	110.0/GVT	FSS: DALLAS
MARFA (L) BVOR	115.9/MRF	FSS: EL PASO
MATAGORDA ISLAND (L) VOR	116.4/MGI	FSS: PALACIOS
McALLEN		
SMILLER INTL IFR 2S (AOE)		FSS: McALLEN on Fld
106 H49/13-31(2) BL4,11 SS F4 JP1 U2	REIL: Rwy 13	
Remarks: P-line N, S. TV ant NE. Rwy 31 threshold displaced 542' NE.		
McAllen Tower 118.9 122.5R	Gnd Con 121.9	
Brownsville App Con: 119.5 126.2 118.1		
McAllen (L) BVOR 109.8/MFE on fld		
Remarks: Oper 1200-0400Z.		
\$MIDLAND AIR TERMINAL IFR BSW		FSS: MIDLAND on Fld
2870 H83/10-28(4) (S-100, T-128, TT-280)	BL4,6,8A,9	
SS F5,JP2 U2 RVV: Rwy 10		
Remarks: Rwy 34L threshold displaced 627' N. 6902' avbl Indg rwy 34L. Rwy 28 threshold displaced 698' NW. 7602' avbl Indg rwy 28. Rwy 4 threshold displaced 1303' NE. 5197' avbl Indg rwy 4. 1137' (4049' MSL) twr 10 NM NNW.		
Tower 118.7 126.2 122.5R	Gnd Con 121.9	
App Con 121.1 122.5R 114.8T 110.3T		
ILS 110.3 I-MAF Apch Brg 103°	LOM: 344/MA	
VHF/DF available, contact FSS.		
(H) BVORTAC 114.8/MAF 181°	3.4 NM to fld.	
MINERAL WELLS (H) BVORTAC	117.7/MWL	FSS: MINERAL WELLS
RBN BMH 284/MWL		
NAVASOTA (L) BVOR	109.6/TNV	FSS: COLLEGE STATION
NAVY CORPUS (L) VOR W	109.6/NGP	FSS: PALACIOS
RBN MHWZ 248/NGP		
NEWMAN (L) BVOR	112.4/EWM	FSS: EL PASO
PALACIOS (L) BVORTAC	117.3/PSX	FSS: PALACIOS
PARIS (L) BVOR	113.6/PRX	FSS: DALLAS
PASADENA RBN MHW	245/PDA	FSS: HOUSTON
PECOS (L) BVOR	111.8/PEQ	FSS: WINK
PLAINVIEW		
SHALE COUNTY IFR 1S		FSS: AMARILLO (LC CA 3-2148)
3372 H52/4-22(2) (S-30, T-40, TT-)	BL4 SS F4 U2	
Remarks: Hangar NE.		
Tower 118.9 122.5R	Gnd Con 121.7	
Lubbock App Con 118.1 126.2 112.9T		
Plainview (L) BVOR 112.9/PVW 023°	6.0 NM to fld.	
Remarks: 'Oper 1200-0400Z.		
QUITMAN (L) BVOR	114.0/UIM	FSS: TYLER
RANDOLPH RBN HW	359/RND	FSS: SAN ANTONIO
Remarks: Used as LOM.		
ROCKSPRINGS (L) BVOR	111.2/RSG	FSS: SAN ANTONIO
SABINE PASS (L) BVORTAC	115.4/SBI	FSS: BEAUMONT CS/T
SALT FLAT (L) BVORTAC	113.0/SFL	FSS: EL PASO
SAN ANGELO		
SMATHIS FIELD IFR 7SW		FSS: SAN ANGELO on Fld
1915 H59/3-21(3) (S-35, T-56, TT-)	BL4,8A,9 SS F4 JP1	
U2 RVV: Rwy 3		
Remarks: Trees E. Rwy 9-27 clsd to acft over 25,000 lbs GWT.		

TEXAS—Continued

Tower 118.3 122.5R	Gnd Con 121.9
San Angelo App Con 119.2 118.3 122.5R	115.1T
109.7T	
ILS 109.7 I-SJT Apch Brg 033°	LOM: 356/SJ
San Angelo (H) BVORTAC 115.1/SJT 235°	1.8 NM to rwy 21.
\$SAN ANTONIO INTL IFR 7N	FSS: SAN ANTONIO on Fld
808 H85/12-30(3) (S-150, T-225, TT-300)	BL4,6,8A,9 SS
F4, JP1 U2 RVV: Rwy 3, 12	
Remarks: US customs Indg rts crpt 1000-2000 Mon-Sat req arrival notice be forwarded to customs when filing fl plan in Canada, Mexico or Cuba. Rwy 35 threshold displaced 324' NW. Usable Indg length 5128'. Rwy 17 usable Indg length 5452'.	
Tower 118.9 122.5R	Gnd Con 121.9
Radar Services:	
App Con 120.3 134.1 126.5 126.2R 122.5R	110.9T
109.7T	Dep Con 123.9
Tfc Info Ctc App Con 25 mi out.	
ASR Rwy 3, 12, 17, 21, 30, 35	Ceil 400 Visby 1 mi
Min Alt 1208	
ILS 110.9 I-ANT Apch Brg 123°	BC unusable LOM: 305/AN
109.7 I-SAT Apch Brg 032°	LOM: 219/SA
(H) BVORTAC 116.8/SAT 175°	6.3 NM to fld.
H-SAB 254/SAT 175°	2.3 NM to Rwy 17
VHF/DF available, contact tower.	
Remarks: VOT: 110.4.	
SAN ANTONIO	
\$STINSON MUNI IFR 5S	FSS: SAN ANTONIO (LC TA 6-9575)
577 H49/9-27(3) (S-40, T-75, TT-)	BLS SS F4
Remarks: Trees all apchs. Tfc 800' above terrain 1367' MSL.	
Tower 119.5 122.7R	Gnd Con 121.7
Radar Services:	
San Antonio App Con 120.3 134.1 126.5 126.2R	122.5R
San Antonio Dep Con 123.9	
Stinson (T) BVOR 108.4/SSF	337° 4.5 NM to fld
Remarks: 'Oper 1300-0500Z.	
SEGUIN RBN HW 371/UCT	FSS: SAN ANTONIO
Remarks: VFR only. Opers daylight hours Mon-Fri..	
SULPHUR SPRINGS (L) BVORTAC	109.0/SLR
TANK RBN BH	388/DDA
TEMPLE (L) BVOR	110.4/TPL
TEXICO (H) BVORTAC	112.2/TXO
TRADEWIND RBN MHW	338/AM
TYLER	
\$POUNDS FIELD IFR 4W	FSS: TYLER on Fld
544 H52/13-31(3) (S-40, T-60, TT-100)	BL5,6,8A,9 SS
F4, JP1 U2	
Remarks: Rwy 17 threshold displaced 250' S. 4803' avbl Indg rwy 17.	
Tower 120.1 122.5R	Gnd Con 121.9
Tyler App Con 124.1 122.5R 109.9T	
ILS 109.9 I-TYR Apch Brg 127°	LOM: 320/TY
Tyler RBN HW 320/TY 127°	4.6 NM to fld
Remarks: LOM is HW.	
VICTORIA (L) BVOR	111.4/VCT
WACO MUNI IFR 5NW	FSS: WACO on Fld
515 H57/18-34(3) (S-26, T-38, TT-)	BL4,6,8A,9 SS
F5 U2 RVV: Rwy 18	
Remarks: Rwy 14-32 (S-46, T-64, TT-100)	

TEXAS—Continued

Tower 119.9 126.2 122.5R Gnd Con 121.9
 Radar Services: (BCN)¹
 App Con 119.3 134.1 122.7R 115.3T
 Dep Con 125.7
 ILS 109.7 I-ACT Apch Brg 185° LOM: 242/AC
 (H) BVORTAC 115.3/ACT 141° 3.0 NM to fd.
 Remarks: ¹To be decmsnd May 1.

WICHITA FALLS

§SHEPPARD AFB/WICHITA FALLS AIR TRML IFR SN
 FSS: WICHITA FALLS on Fld
 1015 H131/15-33(2) (S-65, T-300, TT-530) BL4,6,8A,9,10
 SS F5, JP1 JP4 JPS U2 VASI: Rwy 15, 33 RVV: Rwy 15
 Remarks: Overhead Hc ptn 2700' rectangular Hc ptn 2200' MSL.
 Rgt Hc rwy 17 & 33. Rwy 17-35 GWT 20,000 lbs or less
 UFN.
 Sheppard Tower 119.1 126.2 122.5R Gnd Con 121.9
 Wichita Falls App Con 118.2 122.5R 109.7T
 Wichita Falls Dep Con 118.2
 ILS 109.7 I-SPS Apch Brg 329° LOM: 296/SP
 Wichita Falls (H) BVORTAC 112.7/SPS 078° 5.1 NM
 to fd.
 Rgn HW 296/SP 329° 3.8 NM to rwy 33.
 VHF/DF avbl ctc FSS
 Remarks: LOM is HW.

WINK (H) BVORTAC 112.1/INK FSS: WINK

UTAH

BONNEVILLE (H) BVORTAC 112.3/BVL FSS: SALT LAKE CITY
 BRYCE CANYON (H) BVORTAC 112.8/BCE FSS: BRYCE CANYON
 CEDAR CITY (L) BVOR 108.6/CDC FSS: CEDAR CITY
 CORINNE RBn MHW 344/COU
 DELTA (L) BVORTAC 117.6/DTA FSS: SALT LAKE CITY (DL)
 RBn SABH 2120/DTA
 DUGWAY RBn MH 284/DPG FSS: SALT LAKE CITY
 HANNSVILLE (H) BVORTAC 115.9/HVE FSS: HANNSVILLE
 HILL RBn MHW 317/HI FSS: SALT LAKE CITY
 LA SAL (L) BVORTAC 112.9/LXL FSS: GRAND JUNCTION
 LUCIN (L) BVOR 115.7/LCU FSS: SALT LAKE CITY
 MILFORD (H) BVORTAC 112.1/MLF FSS: CEDAR CITY
 MYTON (H) BVORTAC 117.9/MTU FSS: GRAND JUNCTION
 §OGDEN MUNI IFR 3SW FSS: SALT LAKE CITY (LC 394-8712)
 4455 H73/3-21(3) (S-100, T-160, TT-280) BL4,11 SS F5
 JP1 REIL: Rwy 3
 Remarks: Rgt Hc rwy 16, 21 & 25. Arrival acft ctc Hill AFB
 apch ctc.
 Tower¹ 118.7 122.5R 121.5 Gnd Con 121.7
 Radar Services:
 Hill App Con 120.2 132.9 124.1 122.5R 121.1
 Hill Dep Con 121.1
 Tfc Info Ctc App Con aprx 20 mi out.
 ASR Rwy 3 Cel 600 Vsby 1 mi Min Alt 5055
 (H) BVORTAC 113.6/OGD 098° 3.7 NM to fd.
 RBn SABH 2630/OGD 102° 3.2 NM to fd.
 Remarks: ¹Oper 1300-0500Z.

PROVO (H) BVORTAC 116.6/PVU FSS: SALT LAKE CITY
 (LC 374-6327)

§SALT LAKE CITY MUNI NO. 1 IFR 4W FSS: SALT LAKE CITY on Fld
 4226 H100/16R-34L(2) (S-100, T-160, TT-260)
 BL4,6,7,8A,9,10 SS F5,JP1 U2 VASI: Rwy 16R
 RVB: Rwy 34L
 Remarks: Rwy 7-25 & 14-32 restricted to acft in excess of

UTAH—Continued

35,000 lbs. No mil service or crash facils avbl excep 1500-2330Z
 Mon-Fri. No service holidays.
 Salt Lake Tower 118.3 122.7R Gnd Con 121.9
 Radar Services:
 Salt Lake App Con 120.9 122.7R 116.8T 109.5T
 Salt Lake Dep Con 125.7
 ASR Rwy 16R, 34R, 34L Cel 400 Vsby 1 mi Min Alt 4626.
 Rwy 16L Cel 600 Vsby 1 mi Min Alt 4826.
 ILS 109.5 I-SLC Apch Brg 339° LOM: 239/SL
 VHF/DF¹ available, contact tower.
 (H) BVORTAC 116.8/SLC 159° 2.9 NM to rwy 16R
 Remarks: ¹VHF/DF unusable from 360 to 100°. VOT: 111.0

VERNAL (L) BVOR 108.2/VEL FSS: GRAND JUNCTION

VERMONT

§BURLINGTON MUNI IFR 2E AOE FSS: MONTPELIER (LC 878-3393)
 335 H78/15-33(2) (S-62, T-110, TT-195) BL5,6,8A,9 SS
 F5, JP1, JP4 U2 DT2 RVV: Rwy 33
 Tower 126.2 122.5R 118.3 110.3T Gnd Con 121.9
 Radar Services: (BCN)
 App Con 121.1 126.2 122.5R 110.3T
 Dep Con 119.2
 ILS 110.3 I-BTV Apch Brg 146° BC unusable LOM: 219/BT
 (L) BVOR 112.4/BTV 033° 4.3 NM to fd.
 RBn H-SAB 3230/BTV 155° 1.8 NM to fd.
 VHF/DF available, contact tower
 Remarks: VOT: 109.0.

MONTPELIER (L) BVOR 108.2/MPV FSS: MONTPELIER
 RBn MHW 257/MPV
 NEWPORT RBn MHW 242/EFK FSS: MONTPELIER
 RUTLAND RBn MHWZ 391/RUT FSS: GLENS FALLS
 SPRINGFIELD RBn MHWZ 275/SFD FSS: LEBANON

VIRGINIA

BLACKFORD (L) BVOR 110.2/BLA FSS: BLUEFIELD
 BLACKSTONE RBn MHW 326/BKT FSS: BLACKSTONE (0600-2200)
 FSS: RICHMOND (2200-0600)
 BROOKE (L) BVORTAC 111.8/BRV FSS: WASHINGTON
 CAPE CHARLES (L) BVORTAC 112.2/CCV FSS: NEWPORT NEWS
 CASANOVA (L) BVORTAC 109.6/CSN FSS: WASHINGTON
 CHARLOTTESVILLE
 §CHARLOTTESVILLE-ALBEMARLE IFR 7N
 FSS: CHARLOTTESVILLE on Fld
 634 H46(1) BL4,9,11 SS F4 JPS U1 DT2 REIL: Rwy 3
 ILS 109.1 I-CHO Apch Brg 027°
 Charlottesville RBn MHW 229/AOM 027° 7.9 NM to Rwy 03.
 CLIFDALE (L) BVOR 110.0/CLD FSS: ROANOKE
 CLOVERDALE RBn MHW 359/CLV
 DANVILLE (L) BVOR 113.1/DAN FSS: DANVILLE
 ECLIPSE RBn MW 209/NGU FSS: NEWPORT NEWS
 EVINGTON RBn MHW 385/EVI FSS: ROANOKE
 FELKER (T) VOR 111.4/FAF FSS: NEWPORT NEWS
 RBn MH 226/FAF
 FENTRESS (T) VOR 114.9/NTU FSS: NEWPORT NEWS
 RBn MHW 356/NTU

VIRGINIA—Continued

PLAT ROCK (H) BVORTAC	113.3/FAK	FSS: RICHMOND
FRANKLIN (U) BVORTAC	110.6/FKN	FSS: NEWPORT NEWS RBn H 362/FKN. Private facility
FRONT ROYAL (H) BVORTAC	115.3/FRR	FSS: MARTINSBURG
GORDONSVILLE (H) BVORTAC		FSS: CHARLOTTESVILLE 115.6/GVE
HARCUM (U) BVOR	108.8/HCM	FSS: NEWPORT NEWS
HERNDON (H) BVORTAC	116.3/HRN	FSS: WASHINGTON
HOPEWELL (U) BVORTAC	112.0/HPW	FSS: RICHMOND
HOT SPRINGS RBn MHWZ	224/HSP	FSS: ROANOKE Remarks: Private Facility
LANGLEY (U) VOR	111.6/LFI	FSS: NEWPORT NEWS
LAWRENCEVILLE (U) BVOR	112.9/LVL	FSS: BLACKSTONE Voice 0600-2200
LESLIE RBn MHW	335/LLE	FSS: ROANOKE
LINDEN (L) BVORTAC	114.3/LDN	FSS: WASHINGTON
LYNCHBURG MUNI-PRESTON GLENN FLD IFR 6SW		
FSS: ROANOKE (LC 846-3942) 942 HS8/3-21(3) (S-60, T-80, TT-120) BL6,8A,9 S5 F4 JP1 U2 DT		
Remarks: DT May 30-Sept 6. Lynchburg Tower 120.7 122.5 Gnd Con 121.9 Lynchburg App Con 118.0 122.5R 120.7		
ILS ¹ 110.1 I-LYH Apch Brg 032° LMM: 344/YH Lynchburg (L) BVORTAC 109.2/LYH 025° 4.0 NM to Rd.		
Remarks: 'BC unusable below 3500' MSL beyond 20 NM.		
MANAKIN MHW	341/MNV	
MONTEBELLO (U) BVOR		FSS: CHARLOTTESVILLE 112.6/MOL
MORRISON RBn HW	248/MOV	
NEWPORT NEWS		
PATRICK HENRY IFR 9NW FSS: NEWPORT NEWS on Fld 41 H61/6-24(2) (S-85, T-120, TT-215) BL4,6,8A,9 S5 F5, JP1 U2 DT FSS: NEWPORT NEWS on Fld		
Remarks: Fee in lieu of fuel for acft over 12,500 lbs. DT May 30-Sept 5. Tower 118.7 122.7R 110.1T 317T Gnd Con 121.9		
Radar Services: (BCN) Norfolk App Con 125.7 Norfolk Dep Con 126.8		
ILS 110.1 I-PHF Apch Brg 065° BC unusable LOM: 375/PH		
NORFOLK MUNI IFR 5NE FSS: NEWPORT NEWS (DL) 26 H60/4-22(3) (S-70, T-100, TT-180) BL4,6,8A,9 S5 F5, JP1 U2 DT RVV: Rwy 4		
Remarks: DT May 30-Sept 5. Rwy 13 threshold displaced 219' SE. 4657' avbl lndg rwy 13. 4876' avbl lndg and tkof rwy 31 and tkof rwy 13. Rwy open day/ngt operns. Rwy 19 threshold displaced 950' SW. Dlgt operns 4050' avbl lndg rwy 19; 5000' avbl lndg rwy 1 and tkof rwys 1 and 19. Ngt operns SW 4050' avbl tkof and lndg both directions. Rwy 1-19 avbl single and twin eng acft only. Multi-eng acft prohibited from making eng runup when facing SE at the apch end of rwy 4.		
Tower 121.1 122.5R 109.1T Gnd Con 121.9		
Radar Services: (BCN) App Con 118.9 Dep Con 118.5		
ASR Rwy 1, 4, 13, 19, 22, 31 Cel 500 Vsby 1½ mi Min Alt 526		
ILS 109.1 I-ORF Apch Brg 045° LOM: 329/OR (H) BVORTAC 116.9/ORF at Rd. VHF/DF available, contact tower.		

VIRGINIA—Continued

PULASKI (H) BVORTAC	115.9/PSK	FSS: BLUEFIELD Rng SBMRAZ 272/PK
RICHMOND		
RICHARD E. BYRD FLYING FIELD IFR 6 E FSS: RICHMOND on Fld 167 H90/15-33(3) (S-100, T-150, TT-270) BL4, 6, 8A, 9 S5 F5, JP1, JP4 U2 DT RVV: Rwy 6		
Remarks: Fee exec and skds. Rgt tc patn rwy 6, 20 and 33. 1000' overrun each end rwy 15-33. DT may 30-Sept 5. Richmond Tower 119.5 126.2 122.5R 110.3T Gnd Con 121.9 Climc Del 121.9		
Radar Services: (BCN) Richmond App Con 119.0 126.2 122.5R 119.9 110.3T Richmond Dep Con 118.2 Tlk Info Lndg acft App Con 35 mi out on 119.9 ASR Rwy 2, 15, ¹ 20, 24, ¹ 33 ¹ Cel 400 Vsby 1 mi Min Alt 567 Rwy 6 Cel 500 Vsby 1 mi Min Alt 667		
ILS 110.3 I-RIC Apch Brg 063° LOM: 382/R1 Richmond (M) BVOR ³ 114.1/RIC on Fld. Richmond SBM 260/RIC 018° 1.7 NM to Rd. Remarks: '400-¾ authorized, excep for 4 eng turbojet acft, with operative hi intensity rwy lghts. ² To be (L) BVORTAC VOT: 110.8.		
ROANOKE MUNI IFR 3 NW		
FSS: ROANOKE on Fld 1174 HS8/15-33(3) (S-70, T-100, TT-175) BL4, 8A, 9, 11 S5 F5, JP1 DT REIL: Rwy 23		
Remarks: (S-30) rwys 5-23 and 15-33. (S-10) rwy 9-27. DT May 30-Sept 6. Tower 118.3 122.5R 120.2 Gnd Con 121.9		
Radar Services: (BCN) App Con 126.9 122.5R 120.2 109.0T Dep Con 126.0 ASR Rwy 33 Cel 1200 Vsby 2 mi Min Alt 2374 Roanoke (L) BVORTAC 109.4/ROA 107° 4.5 NM to Rd. Roanoke RBn H-SAB 3710/ROA 354° 1.5 NM to Rd.		
SOUTH BOSTON (L) BVORTAC 110.4/SBV		
FSS: DANVILLE		
SPRINGFIELD RBn MHW 353/SRI		
FSS: WASHINGTON		
WOODRUM (T) VOR 109.0/ODR		
FSS: ROANOKE		
WASHINGTON		
BELLINGHAM (U) BVOR 113.0/BLI		
FSS: BELLINGHAM		
EDIZ HOOK RBn MHWZ 322/K		
FSS: SEATTLE		
ELLENSBURG (L) BVORTAC 117.9/ELN		
FSS: WENATCHEE		
EPHRATA (H) BVOR 116.8/EPH		
FSS: EPHRATA		
EVERETT		
PAINTE FIELD IFR 6 SW		
FSS: SEATTLE (DL) 603 H90/16-34(2) (S-50, T-150, TT-220) BL6, 8A, 9 S5 F4, JP4 U2 DT2		
Remarks: Rwy 11 threshold displaced 1600'. Jet arresting barrier 3" above rwy 16/34 J-bar each end rwy 34 not visible to twr 2000' to 4000' from apch end. Due constrn twr unable observe portion rwy 34 starting 1000' from apch end and extending aprxly 2000'.		
Tower 121.3 126.2 122.5R 3023.5R 278T		
Radar Services: Seattle Center App Con 121.2		
ILS 109.3 I-PAE Apch Brg 155° LOM: 396/PAE		

WASHINGTON—Continued

Everett (L) VOR 114.2/PAE on Rd. Everett RBn HW 396/PAE 158° 7.9 NM to Rd Remarks: LOM is HW.	GRAY RBn MH 216/GRF FSS: SEATTLE	HOQUIAM (H) BVOR 113.1/HQM FSS: HOQUIAM	KITSAP RBn MHW 206/PWT FSS: SEATTLE Remarks: Operd by County.	LARSON (L) VOR 117.0/LRN FSS: EPHRATA RBn MHW 408/LR	NEAH BAY RBn HW 391/EBY FSS: SEATTLE	OLYMPIA (L) BVORTAC 108.2/OLM FSS: SEATTLE	PASCO (L) BVOR 108.4/PSC FSS: WALLA WALLA	PORT ANGELES (L) BVOR 108.4/CLM FSS: SEATTLE	SRENTON MUNI IFR Adj NW 031° FSS: SEATTLE (LC RO 2-4000) 29 H53/15-33(1) (S-100, T-190, TT-300) BL4 S5 F4, U2 JP4 DT2 Remarks: Rwy 33 threshold displaced 1000'. Rgt Hc rwy 33. Lgt gun signals not visible 195-300° at 1000' MSL beyond 2 mi. Tower ¹ 118.9 122.7R 121.5 Gnd Con 121.9 Seattle Dep Con 119.2 Remarks: ¹ Oper 0700-2300 lcl time.	TACOMA INDUSTRIAL RBn MHW 373/TIW FSS: SEATTLE
SEATTLE	\$KING COUNTY ARPT, BOEING FIELD IFR 4 S FSS: SEATTLE on Rd 17 H100/13-31(2) (S-100, T-160, TT-290) BL6, 11, 12 S5 F5, JP1 U2 DT2 RVV: Rwy 13 REIL: Rwy 31 Remarks: Rwy 12-30 (Max-12.5) Boeing Tower 118.3 122.5R 248T Gnd Con 121.9 Radar Services: (BCN) Seattle App Con 119.5 123.9 125.9 122.6R 114.5T Seattle Dep Con 119.2 ILS ¹ 110.9 I-BFI Apch Brg 128° BC unusable LOM: 387/BF Seattle RBn SABH 362/SEA 290° 2.1 NM to Rd. Remarks: ¹ Glide slope unusable past 6° E of front crs. Lclzr unusable beyond 13 NM 27° W of cntrline below procedure turn alt. Flag indications may be experienced beyond 12 NM of LOM below 3000' beyond 15° E of cntrline.	WENATCHEE (L) BVOR 111.0/EAT FSS: WENATCHEE	\$YAKIMA MUNI IFR 2 S FSS: YAKIMA on Rd 1082 H55/9-27(3) (S-50, T-60, TT-100) BL4, 6 S5 F5, JP1, JP4 U2 Remarks: Rwy 34 threshold and runup area not visible from twr. Tower 119.1 122.5R Gnd Con 121.9 App Con 120.2 122.5R ILS 110.1 I-YKM Apch Brg 269° LOM: 284/YK (H) BVOR 116.0/YKM 244° 3.6 NM to Rd							
#SEATTLE-TACOMA INTL IFR 10 S FSS: SEATTLE (DL) 428 H119/16-34(2) S-45, T-145, TT-300) BL4, 6, 8A, 9, 14 S5 F5, JP1, JP4 DT2 RVV: Rwy 16, 34 Tower 119.9 123.9 122.6R Gnd Con 121.7 Radar Services: (BCN) Seattle App Con 119.5 123.9 125.9 122.6R 114.5T Seattle Dep Con 119.2 123.9 PAR Rwy 16, 34 Ceil 200 Vsby ½ mi Min Alt 628 ASR Rwy 34 Ceil 400 Vsby 1 mi Min Alt 828 ILS 110.3 I-SEA ¹ Apch Brg 338° BC unusable LOM: 224/SE 111.5 I-SZ ¹ Apch Brg 158° LOM: 281/SZ Seattle (H) BVORTAC 114.5/SEA at Rd. VHF/DF available, contact tower. Remarks: ¹ Automatic apchs not authorized from MM to touch-down. ² Caution required in use auto pilots on glide slope from MM to touchdown. Lclzr unusable beyond 20 NM below 2600'. Both systems not operd simultaneously.	WEST VIRGINIA	BECKLEY (H) BVOR 117.7/BKW FSS: CHARLESTON	BLUEFIELD (L) BVOR 115.4/BLF FSS: BLUEFIELD							
CHARLESTON	\$KANAWHA IFR 2 NE FSS: CHARLESTON on Rd 982 H56/5-23(2) (S-150, T-200, TT-44) BL4, 6, 8A, 9, 11 S5 F5, JP5 U2 DT1 RVV: Rwy 23 REIL: Rwy 5 Charlestown Tower 120.3 110.3T 122.5R Gnd Con 121.9 Radar Services: Charleston App Con 118.8 110.3T 122.5R Charleston Dep Con 124.1 Tfc Info All landing acft ctc App Con on 118.8 ASR Rwy 5, 14, 23 Ceil 600 Vsby 1 mi Min Alt 1582 ILS 110.3 I-CRW Apch Brg 230° BC unusable LOM: 303/CR Charleston (H) BVORTAC 117.4/CRW 084° 8.1 nm to Rd VHF/DF available, contact Tower. Remarks: VOT: 111.0	CLARKSBURG (L) BVOR 115.1/CKB FSS: MORGANTOWN	ELKINS (L) BVORTAC 114.5/EKN FSS: ELKINS Rng SBMRAZ 245/EN	HENDERSON (L) BVORTAC 111.2/HNN FSS: HUNTINGTON	HUNTINGTON	\$TRI-STATE (WALKER LONG FLD) IFR 6 SW FSS: HUNTINGTON on Rd 828 H53/11-29(1) (S-50, T-75, TT-135) BL6, 8A, 9 S5 F4, JP1 U2 DT1 Huntington Tower 120.9 122.5R Gnd Con 121.9 Huntington App Con 118.5 122.5R 109.9T ILS ¹ 109.9 I-HTS Apch Brg 114° LOM: 287/HT Huntington RBn BH 323/HTW 199° 2.5 NM to Rd. Remarks: ¹ Lclzr front unusable MM to rwy.	KESSEL (L) VORW 110.8/ESL FSS: ELKINS			

WEST VIRGINIA—Continued

MARTINSBURG MUNI IFR 4 S FSS: MARTINSBURG on Fld 556 H70/8-26(2) (S-90, TT-) BL4,6 F4 DT2
Tower¹ 120.5 126.2 122.5R Gnd Con 121.9

Radar Services:

Dulles App Con 119.2 126.1

Dulles Dep Con 125.5S

PAR² Rwy 26 Ceil 300 Vsby 1/4 mi Min Alt 854ASR³ Rwy 26 Ceil 400 Vsby 1 mi Min Alt 956

(LJ) BVORTAC 112.1/MRW 289° 5.9 NM to fd.

Remarks: ¹Oper 0800-1630 Tues, Thur, Sat and Sun; 0830-2200 Wed and Fri, subject to ANG operns. Clsd Mon and holidays.
²Oper 0830-1630 Tues thru Sat only.

MORGANTOWN (LJ) BVORTAC 111.6/MGW FSS: MORGANTOWN
RBN MHW 269/MGW

PARKERSBURG (LJ) BVOR 114.2/PKB FSS: PARKERSBURG

RAINELE (LJ) BVOR 116.6/RNL FSS: CHARLESTON

WHEELING-OHIO COUNTY IFR 7 N FSS: WHEELING on Fld 1195 H40/3-21(3) (S-120, T-170, TT-290) BL4, 6, 10, 11, 12

F4 VASI: Rwy 21 REIL: Rwy 21

Wheeling Tower 118.1 122.5R 109.5T Gnd Con 121.9

ILS¹ 109.7 I-HLG Apch Brg 030° LOM: 212/HL

Wheeling (LJ) BVOR 112.2/HLG 220° 5.8 NM to fd.

Remarks: ¹Glide slope unusable from MM to touchdown due to roughness.

WHITE SULPHUR SPRINGS (T) VOR 108.4/SSU
FSS: ROANOKE, VA.

WISCONSIN

APPLETON RBN MHW 407/ATW FSS: GREEN BAY

BOULDER JUNCTION RBN H 206/BDJ FSS: WAUSAU

CAMP MC COY RBN MHW 412/CAY FSS: LA CROSSE

DELLS (LJ) BVOR 110.4/DLL FSS: LONE ROCK

EAU CLAIRE (LJ) BVORTAC 112.9/EAU FSS: EAU CLAIRE

FOND DU LAC RBN MHW 248/FLD FSS: GREEN BAY

GRANTSBURG (LJ) BVOR 109.4/GTG FSS: MINNEAPOLIS

GREEN BAY

AUSTIN STRABEL IFR 7 SW FSS: GREEN BAY on Fld 694 H52/6-24(3) (S-63, T-87, TT-160) BL4, 6, 8 SS F4 U2 DT1 RVR: Rwy 6

Remarks: US Customs Indg rts arpt. 1166' (2049' MSL) and 1149' (2049' MSL) twrs 7.5 NM SE

Green Bay Tower 118.7 122.5R 109.5T Gnd Con 121.9

Green Bay App Con 119.4

VFR ADV Ctc App Con on 119.4.

ILS¹ 109.5 I-GRB Apch Brg 059° LOM: 356/GR

Green Bay (H) BVORTAC 117.0/ GRB 145° 4.6 NM to fd.

VHF/DF avbl, ctc FSS

JANESVILLE

ROCK COUNTY IFR 4 SW FSS: ROCKFORD (LC EN5639)
808 H54/4-22(3) BL6, 11 SS F4 JP1 U2 DT2

REIL: Rwy 4

Remarks: Rwy 22 threshold displaced 6981 NE. Indg length 4702'; rwy 31 threshold displaced 449' NW, Indg length 4957'.

Tower 121.2 122.7R Gnd Con 121.9

Rockford App Con 119.6

(LJ) BVORTAC 113.4/JVL

Remarks: Oper 0700-2200 lcl time. Eftv May 16.

WISCONSIN—Continued

LACROSSE (T) BVOR 108.4/LSE FSS: LACROSSE
RBN SBH 371/LSE

LAND 'O LAKES RBN MHW 396/LNL FSS: WAUSAU
Remarks: Owned operd by city.

LONE ROCK (LJ) BVORTAC 112.8/LNR FSS: LONE ROCK

MADISON

STRUAX FIELD IFR 5 NE FSS: MADISON on Fld 859 H76/18-38(4) (S-150, T-190, TT-310) BL4, BA, 9 SS F5, JP4, JP5 U2 DT1 RVR: Rwy 18 RVR: Rwy 36

Remarks: P-line N, W. 1107' (227' MSL) lwt 9.5 NM SW and 1182' (2249' MSL) lwr 8 NM SW. 24-hr notice required for mil acft requesting 2500 gals or more F5. Taxi on hard surface areas only.

Madison Tower 119.3 126.2 122.5R 115.5T Gnd Con 121.9

Madison App Con 120.1 126.2 109.9T

Madison Dep Con 118.8

VFR ADV Ctc App Con on 120.1.

ILS 109.9 I-MSI Apch Brg 359° LOM: 400/MSN

Madison RBN MHW 400/MSN 359° 3.9 NM to fd.

Truax (LJ) BVOR 115.5/TAX at fd.

VHF/DF available contact Tower.

Remarks: LOM is MHW

MANITOWOC (T) BVOR 111.0/MTW FSS: GREEN BAY

MILWAUKEE

GENERAL MITCHELL FLD IFR 5 S FSS: MILWAUKEE on Fld 723 H99/1-19(4) (S-200, T-200, TT-400) BL4, 5, 6, BA, 9 SS F5, JP1 U2 DT1 RVR: Rwy 1

Remarks: Rwy 19 threshold displaced 1600' S. 8316 avbl Indg rwy 19. Rwy 25L threshold displaced 523' SW. 7489' avbl rwy 25L day/ngt. 8010' avbl tkof rwy 25L and Indg and tkof 7R day/ngt. Rwy 7L-25R clsd to all jet acft. 1105' (1735' MSL) 9.5 NM N and 1078' (1720' MSL) twrs 8 NM N. 1035' (1685' MSL) lwr 8 NM N.

Milwaukee Tower 119.1 126.2 122.7R Gnd Con 121.9

Cirrc Del 120.0

Radar Services: (BCN)

Milwaukee App Con 126.5 126.2 123.8 116.4T 110.3T 242T

Milwaukee Dep Con 118.0 126.2 122.7R 118.6

Tfc Info: Acft apchg from 360-179° of fd ctc App Con on 123.8; from 180-359° ctc App Con on 126.5.

ASR Rwy 1¹, 7R Ceil 400 Vsby 1 mi Min Alt 1123.

Rwys 13, 19, 25L, 31 Ceil 500 Vsby 1 mi Min Alt 1223

Rwys 25L, 31 Ceil 600 Vsby 1 mi Min Alt 1323

ILS 110.3 I-MKE Apch Brg 006° LOM: 410/MK

Milwaukee (H) BVORTAC 116.4/MKE 118° 19.2 NM to fd.

Milwaukee RBN H-SAB 2420/MKE 352° 1.4 NM to fd.

VHF/DF available, contact Tower.

Remarks: ¹Do not descend below 1200 on apch until ctr advise passing AC Spark Plug twr. VOT: 109.0

STIMMERMAN FIELD IFR 5 NW FSS: MILWAUKEE (DL)

745 H41/15L-33R(2) (Max-15) BL4 SS F4 U-2 DT1

Remarks: P-line E, NE. 1105' (1753' MSL) and 1078' (1720' MSL) twrs 6 NM E. 1035' (1685' MSL) twr 6 NM ESE. Clsd all jet acft without prior premission except emgcy.

Tower¹ 120.5 122.5R Gnd Con 121.7

Radar Services:

Milwaukee App Con 126.5² 126.2 123.8² 116.4T 110.3T

242T

Milwaukee Dep Con 118.0 126.2 122.7R 118.6

WISCONSIN—Continued

Tfc Info Ctc Milwaukee App con 123.8 E sector; 126.5 W sector.
Timmerman (L) BVOR 108.6/MWC on fd.
Remarks: ¹ Oper 1200-0400Z. ² 360-179 ³ 180-359.
OSHKOSH
§WINNEBAGO CO IFR 1 SW FSS: GREEN BAY (DL)
795 H58/9-27(4) (S-75, T-100, TT-) BL6 S5 F4, JP4 U2 DT2
Remarks: P-line E, NE. Rwy 27 threshold displaced 594' W. 5262' avbl lndg rwy 27. Rwy 36 threshold displaced 790' N. 4357' avbl rwy 36. Runways 4-22, 13-31 not plowed winters.
Oshkosh Tower ¹ 120.7 122.5R 395T Gnd Con 121.9
Tfc Info App Con Radar vector service to final apch crs from Chicago ARTCC on 124.4.
ILS 110.5 I-OSH Apch Brg 089° LOM: 395/OS
Oshkosh (L) BVOR 111.8/OSH at fd.
Remarks: ¹ Oper 1300-0500Z
RACINE RBn MH 260/RAC FSS: MILWAUKEE
REWEY (L) BVOR 115.8/RWY FSS: LONE ROCK
RHINELANDER (L) BVORTAC 109.2/RHI FSS: WAUSAU
STEVENS POINT (L) BVOR 110.6/STE FSS: WAUSAU
TIMMERMAN (L) BVOR 108.6/MWC FSS: MILWAUKEE
TRUAX (L) BVOR 115.5/TAX FSS: MADISON
VOLK (L) VOR 109.0/VOK FSS: LA CROSSE
RBn HW 281/VOK
WAUSAU (L) BVORTAC 111.6/AUW FSS: WAUSAU

WYOMING

BIG PINEY (L) BVOR 116.5/BPI FSS: ROCK SPRINGS
BOYSEN RESERVOIR (H) BVORTAC 117.8/BOY FSS: WORLAND
§CASPER AIR TERMINAL IFR 7 NW FSS: CASPER on Fld
5348 H90/16-34(4) (S-80, T-146, TT-288) BL4, 6, 8A, 9 S5 F4, JP4 U2
Remarks: 1000' overruns on each end rwy 3-21 not lgtd. Tower 118.3 122.5R 121.9 App Con 120.7 122.5R 116.2T 110.3T
ILS ¹ 110.3 I-CPR Apch Brg 074° LOM: 219/CP (L) BVORTAC 116.2/CPR 201° 13.2 NM to fd. RBn SABH 2690/CPR 255° 6.7 NM to fd. VHF/DF avbl ctc FSS
Remarks: ¹ Glide slope unusable beyond 1 nmi W of LOM above 7000' MSL due to moderate to severe roughness.
CHEROKEE (L) BVOR 112.2/CKW FSS: RAWLINS
Remarks: To be BVORTAC June 23.
§CHEYENNE MUNI IFR 1 N FSS: CHEYENNE on Fld
6155 H93/8-26(3) (S-90, T-121, TT-270) BL4, 6, 8A, 9, 11 S5 F5, TPI JP4 RVV: Rwy 26 REIL: Rwy 30
Remarks: Avoid hospital E. Rwy 8 threshold displaced 687' E. 8610' avbl lndg rwy 8; 9297' avbl lndg rwy 26. Tower 118.7 122.5R 126.2 113.1T Gnd Con 121.9 VFR Adv Ctc App Con on 118.7 aprx 25 mi out. App Con 119.9 122.5R 113.1T
ILS 109.9 I-CYS Apch Brg 262° LOM: 219/CY (H) BVORTAC 113.1/CYS 196X 3.7 NM to fd.
CRAZY WOMAN (H) BVORTAC 117.3/CZI FSS: SHERIDAN
DOUGLAS (L) BVOR 108.6/DGW FSS: CASPER
DUNOIR (L) BVOR 113.4/DNW FSS: WORLAND

WYOMING—Continued

FORT BRIDGER (L) BVORTAC 108.6/FBR FSS: ROCK SPRINGS
JACKSON (L) BVOR 108.4/JAC FSS: IDAHO FALLS
Remarks: To be comnd May 26.
LARAMIE (L) BVORTAC 117.6/LAR FSS: LARAMIE
MEDICINE BOW (L) BVOR 114.1/MBW FSS: LARAMIE
RIVERTON (L) BVOR 108.8/RIW FSS: WORLAND
§ROCK SPRINGS MUNI IFR 7E FSS: ROCK SPRINGS on Fld 6747 H67/7-25(2) BL4, 6, 7 S3 F4
Remarks: Fee. ILS 110.3 I-RKS Apch Brg 254° LOM: 219/RK (H) BVORTAC 114.7/RKS RBn SABH 290/RKS
SHERIDAN (L) BVORTAC 115.3/SHR FSS: SHERIDAN
SINCLAIR RBn SBH 368/SIR FSS: RAWLINS
PUERTO RICO
PONCE (L) BVOR 109.0/PSE FSS: SAN JUAN
RAMEY (H) BVORTAC 113.5/RSJ FSS: SAN JUAN
SAN JUAN
§ISLA GRANDE Adj W FSS: SAN JUAN 11 H53/9-27(1) (S-52, T-88, TT-160) BL4 S3 F4 Isla Grande Tower ¹ 118.7 126.2 122.5R 218T 3023.5R Gnd Con 121.7
Remarks ¹ Oper 1100-0200Z
§PUERTO RICO INTL 6E FSS: SAN JUAN 9 H100/7-25(1) (S-100, T-200, TT-400) BL-6, 11 S5 F5 JP1, JP4, JP5 U2 REIL: Rwy 7 Remarks: U.S. Customs lndg rgts. lndg fee over 7500 lbs. San Juan Tower 118.3 3023.5R 272T Gnd Con 121.9 Radar Services: San Juan App Con 124.6 119.0 San Juan Dep Con 120.9 ASR ¹ Rwy 7 Ceil 600 Vsby 1 mi Min Alt 609 Rwy 25 Ceil 400 Vsby 1 mi Min Alt 409 San Juan (H) BVORTAC 114.0/SJU on fd San Juan RBn BHM 391.SJU 100° 24.0 NM to fd Remarks: ¹ Descent below 1200' not authorized until passing 4.6 NM radar fix.
SAN PAT RBn MHW 330/SJP FSS: SAN JUAN
SWAN ISLAND
SWAN ISLAND RBn HHW 407/SWA
VIRGIN ISLANDS
ST. CROIX (L) BVOR 108.2/STX FSS: ST. CROIX RBn ¹ HW 224/STX
Remarks: ¹ Oper 1100-0300Z
ST. THOMAS CHARLOTTE AMALIE
SHARRY S. TRUMAN 2W FSS: SAN JUAN 11 H42/9-27(1) (S-30, T-45, TT-70) BLS F4
Remarks: U.S. Customs lndg rgts. St. Thomas Tower ¹ 118.5 122.5R 108.6T St. Thomas (L) BVOR 108.6/STT 119° 3.0 NM to fd St. Thomas RBn ² HW 239/STT on fd.
Remarks: ¹ Oper 1000-0200Z. ² Private; oper 1100-0300Z

AIR ROUTE TRAFFIC CONTROL CENTER COMMUNICATIONS FREQUENCIES

**FOR DETAILED INFORMATION SEE SECTION II DIRECT COMMUNICATIONS
CONTROLLERS/PILOTS**

Center SECTOR Discrete Frequencies**Center SECTOR Discrete Frequencies****ALBUQUERQUE****DENVER**

VHF (Low)				VHF (High)			
119.8	120.1	124.5	124.6	132.9	133.0	132.65	133.05
124.7	125.2	125.4	125.9	133.8	133.45	133.55	133.65
126.0	126.4	126.9	127.2	133.85	134.35	134.45	134.75
132.3	134.5			135.05	135.3	135.7	135.8
						135.15	

ATLANTA**FORT WORTH**

VHF (Low)				VHF (High)			
118.9	120.0	120.3	120.8	132.25	132.75	132.85	132.9
120.9	121.2	123.8	124.1	133.1	133.35	133.7	134.45
124.4	125.2	125.5	126.4	134.55	134.6	135.15	135.75
126.6	127.15	127.55	127.8				
127.95	128.3	128.6	128.65				
135.6							

BOSTON

VHF (Low)				VHF (High)			
119.0	121.0	124.0	124.2	127.8	128.1	132.5	132.65
124.9	125.8	127.0	127.1	132.9	133.5	134.3	134.7
127.3	127.6	127.8	127.9	134.45	134.95	134.85	
128.1	128.2	132.4	132.5				
132.65	135.7						

CHICAGO**GREAT FALLS**

VHF (Low)				VHF (High)			
119.4	119.6	120.2	120.4	124.5	127.95	132.15	128.65
120.6	120.8	121.4	124.0	132.4	132.5	132.75	133.1
124.1	124.4	124.8	125.1	133.35	133.5	133.7	133.9
125.2	125.6	126.4	126.6	133.95	134.85	135.1	135.35
126.8	127.0	127.1	127.2	135.55			
127.5	127.6	127.7	127.8				
128.0	128.05	128.2	128.4				
128.5	128.7	132.2	132.3				

CLEVELAND**HOUSTON**

VHF (Low)				VHF (High)			
118.8	118.9	119.6	119.8	132.25	132.45	133.25	133.3
120.2	120.3	120.4	120.6	133.95	134.25	134.65	
120.8	121.2	121.4	123.9				
124.2	124.3	124.4	124.6				
125.0	125.1	125.2	125.3				
125.6	125.7	126.1	126.4				
126.8	127.15	127.5	127.45				
127.65	127.9	128.35	128.45				
128.6	134.3						

VHF (Low)				VHF (High)			
118.2	118.9	120.6	120.7	127.8	132.4	132.5	132.6
121.0	121.2	124.0	124.1	132.7	132.8	132.15	132.95
124.2	125.1	125.8	125.9	133.05	133.4	133.65	133.75
126.0	126.4	126.6	126.8	133.85	134.8	134.35	134.95
126.9	126.95	127.05	127.2	135.2			
128.0	128.1	128.2	128.3				
128.4	132.5	132.8	132.9				
134.7							

INDIANAPOLIS

VHF (Low)				VHF (High)			
118.2	124.2	124.4	124.8	128.25	132.7	133.05	133.45
126.0	127.0	127.1	127.3	133.75	134.35	134.75	134.9
127.4	128.3	128.4	128.55	134.95			
128.8	132.2	132.6	135.1				
135.7	135.8						

Center SECTOR Discrete Frequencies

Center SECTOR Discrete Frequencies

JACKSONVILLE

NEW YORK

VHF (Low)				VHF (High)			
118.6	119.2	120.2	120.6	127.6	128.45	132.1	132.2
124.3	125.1	125.5	126.5	132.65	133.25	133.95	134.25
126.9	127.2	128.1	128.5	134.75	134.85	135.4	135.05
132.3	132.5	132.8	133.4	135.25	135.55	135.65	
133.5	134.3	134.7					

KANSAS CITY

VHF (Low)				VHF (High)			
118.4	118.8	119.0	119.2	132.25	132.65	132.9	132.95
119.7	120.2	120.3	121.0	133.15	133.45	133.8	134.3
123.8	124.1	124.3	124.4	134.7	135.45	135.0	135.25
125.1	125.2	125.3	125.30	135.4			
125.5	125.9	127.4	127.5				
127.6	127.7	127.8	128.1				
128.4	128.6	132.10	134.6				
134.9							

LOS ANGELES

VHF (Low)				VHF (High)			
119.0	123.9	124.2	125.8	127.9	128.3	128.6	132.15
125.0	126.0	126.4	126.6	133.05	133.25	133.55	134.8
127.1	127.3	127.4	128.2	134.55	134.75	134.95	135.25
128.4	128.8	132.3	132.5	135.45			
132.6	133.4	133.8	134.2				
134.4	134.6	135.05					

MEMPHIS

VHF (Low)				VHF (High)			
118.6	119.3	120.1	124.4	132.35	133.0	133.55	133.6
124.6	125.4	127.1	127.2	134.25	134.45	134.9	135.3
127.25	127.3	127.4	127.6	135.5	135.7		
127.75	128.0	128.05	128.7				
132.1	132.3	132.5					

MIAMI

VHF (Low)				VHF (High)			
118.9	120.0	120.3	124.1	125.7	127.7	132.7	132.15
124.4	124.5	124.7	125.4	132.95	133.65	133.8	134.35
125.6	125.8	126.0	126.4	134.5	134.95	135.5	
127.0	127.3	127.4	128.25				

MINNEAPOLIS

VHF (Low)				VHF (High)			
120.3	120.9	125.5	125.9	132.15	133.4	133.55	133.65
126.0	126.1	127.1	127.2	133.85	134.25	134.45	134.8
127.3	127.8	127.9	128.2	134.55	135.45	135.7	
128.4	128.6	132.1	132.6				
134.6	134.8						

NEW YORK

VHF (Low)				VHF (High)			
119.6	119.8	120.0	120.2	132.1	132.3	132.95	132.75
124.1	124.2	124.8	125.1	133.8	133.9	134.8	135.45
125.3	125.4	125.5	125.6	135.55	135.75		
126.0	126.4	126.6	126.8				
127.95	128.2	128.3	128.5				
128.65	128.7	132.6	134.6				
135.1	135.6	135.65					

OAKLAND

VHF (Low)				VHF (High)			
118.4	120.2	120.4	120.6	128.15	132.05	132.8	132.65
121.2	123.8	123.9	124.2	132.85	132.95	133.3	133.7
124.6	125.5	125.7	125.9	133.75	134.35	134.7	
126.5	126.8	127.05	127.3				
127.2	127.5	127.7	127.8				
128.7							

SALT LAKE CITY

VHF (Low)				VHF (High)			
120.3	123.8	124.0	124.4	132.25	132.40	132.5	132.55
124.5	125.3	126.4	126.6	132.75	133.25	133.45	134.15
127.4	127.40	128.4	133.1	134.25	134.85	135.7	

SEATTLE

VHF (Low)				VHF (High)			
120.3	120.9	121.2	124.1	120.3	121.2	125.1	125.6
124.3	125.1	125.3	125.6	133.0	133.5	133.65	133.9
125.8	126.0	128.1	132.1	134.65			

Flight Service Stations (FSS) provide information on airport conditions, radio aids and other facilities, and process flight plans. Airport Advisory Service is provided at the pilot's request on 122.2T by FSSs located at airports where there are not control towers in operation. (See Section II-ARRIVALS)

In addition, they provide an aviation weather briefing service. Flight and weather briefing service is provided on the telephone numbers listed. The telephone area code number is shown in parentheses. Each number given is the preferred telephone number to obtain flight weather information. Automatic answering devices are sometimes used on listed lines to give general local weather information during peak workloads. To avoid getting the recorded general weather announcement, use the selected telephone number listed.

- ★ Indicates Pilot's Automatic Telephone Weather Answering Service (PATWAS) available, providing transcribed aviation weather information.

ALABAMA

Location		Area Code	Telephone
Anniston.....	FSS	(205)	831-2303
Birmingham.....	FSS	(205)	595-6151-
	WB	(205)	595-2101★
Dothan.....	FSS	(205)	794-6683
Huntsville.....	FSS	(205)	536-1254
	WB	(205)	881-2761◆
Mobile (Bates).....	FSS	(205)	342-1177
	WB	(205)	342-2762◆
Montgomery (Dannelly).....	FSS	(205)	269-4368
	WB	(205)	263-0621◆
Muscle Shoals.....	FSS	(205)	383-6541
	WB	(205)	383-6657
Tuscaloosa.....	FSS	(205)	758-3628

ARIZONA

Douglas (Bisby-Douglas).....	FSS	(602)	EM 4-5353
Flagstaff.....	WB	(602)	774-1424
Phoenix (Sky Harbor).....	FSS	(602)	261-4295-
	WB	(602)	261-3868◆
Prescott.....	FSS	(602)	HI 5-2160
Tucson.....	FSS	(602)	294-1463-
Winslow.....	WB	(602)	289-3592
Yuma.....	FSS	(602)	725-2601-

ARKANSAS

El Dorado (Goodwin).....	FSS	(501)	UN 3-9313
Fayetteville (Drake).....	FSS	(501)	HI 2-8277

- ◆ Indicates a restricted number, use for aviation weather information

- Call FSS for "one call" FSS/WBAS briefing service.

Flight Service Stations are listed alphabetically, by state. The airport name, on which the FSS is located, is shown in parentheses when different from the FSS name

Standard Flight Service Station civil communications frequencies are: 122.7 122.2T 122.1R 123.8 and emergency 121.5. These frequencies are normally available at all stations listed.

ARKANSAS (Cont'd)

Location		Area Code	Telephone
Ft. Smith.....	FSS	(501)	MI 6-1791
	WB	(501)	646-5731
Harrison.....	FSS	(501)	EM 5-3433
Little Rock.....	WB	(501)	374-1546◆
Pine Bluff (Grider).....	FSS	(501)	JE 5-0652
Texarkana.....	FSS	(501)	774-6221
Walnut Ridge.....	FSS	(501)	TU 6-6671

CALIFORNIA

Arcata.....	FSS	(707)	TE 9-2071
Bakersfield (Meadows).....	FSS	(805)	399-1787-
			399-3815
Bishop.....	WB	(714)	873-3213
			(0545-1915)
Blue Canyon.....	WB	Emigrant Gap 2721	
		(0545-1415)	
Blythe.....	FSS	(714)	948-6638
Burbank.....	WB	(213)	843-3633
	WB	(213)	848-6206◆
Crescent City (McNamara FLD).....	FSS	(707)	IN 4-2514
Daggett.....	FSS	(714)	CL4-2223
Eureka.....	WB	(707)	442-2171◆
Fresno (Air Terminal).....	FSS	(209)	251-8269-
Imperial.....	FSS	(714)	355-1948
Long Beach.....	FSS	(213)	432-9874
	WB	(213)	429-0337◆
Los Angeles (International).....	FSS	(213)	SP 6-2727
	WB	(213)	670-2223
	WB	(213)	776-1640/41★
Marysville (Yuba Co.)	FSS	(916)	742-1449
Montague (Siskiyou Co.).....	FSS	(916)	459-3003
Mt Shasta.....	WB	(916)	926-2227
			(0730-1800)
Needles.....	FSS	(714)	326-3511

CALIFORNIA (Cont'd)

Location		Area Code	Telephone
Oakland (Metropolitan-International).....	FSS	(415)	638-5714 ■
	WB	(415)	832-5418 ★ (Via San Francisco)
Ontario.....	FSS	(714)	983-2618
Palmdale (USAF Plant No. 42).....	FSS	(805)	947-3502
Paso Robles.....	FSS	(805)	238-2448
Red Bluff (Bidwell).....	FSS	(916)	527-0242 ■
Sacramento.....	FSS	(916)	428-6500 ■
Salinas.....	FSS	(408)	422-4723
San Diego (Lindbergh).....	FSS	(714)	296-3181 ■
San Francisco.....	WB	(415)	589-6711 ★
	WB	(415)	761-2052 ◆
(So. San Francisco).....	WB	(415)	588-3012
Santa Barbara.....	FSS	(805)	967-2305
Santa Catalina Island.....	WB		Avalon 703
Santa Maria.....	WB	(805)	925-3525 (0600-2200)
Stockton.....	FSS	(209)	466-3684 ■
Thermal.....	FSS	(714)	EX 9-5155
Ukiah.....	FSS	(707)	462-6136

COLORADO

Akron.....	FSS	(303)	345-2271
Alamosa.....	WB	(303)	589-2547 (0400-2000)
Colorado Springs.....	WB	(303)	632-0535 ◆
Denver (Stapleton Intl).....	FSS	(303)	297-3277 ■
	WB	(303)	388-3653 ★
Eagle.....	FSS	(303)	328-2125
Grand Junction (Walker Field).....	FSS	(303)	CH 2-1801 ■
La Junta.....	FSS	(303)	DU 4-4311
Pueblo (Memorial).....	FSS	(303)	948-3301
	WB	(303)	948-3376 ◆
Trinidad.....	FSS	(303)	846-2623

CONNECTICUT

Bridgeport.....	WB	(203)	378-2344
Hartford.....	WB	(203)	247-2655 ◆
New Haven.....	WB	(203)	409-2141 ◆ (0630-1700)
Windsor Locks (Bradley Field).....	FSS	(203)	623-2416
	WB	(203)	NA 3-5889

DELAWARE

Location		Area Code	Telephone
Wilmington.....		WB	(302) 328-2755 ◆

DISTRICT OF COLUMBIA

Washington (Chantilly, Va.) Dulles Intl (toll).....	WB	(202)	661-8526 ◆
Washington National.....	FSS	(202)	DI 7-1442
	WB	(202)	628-0491 ■
	WB	(202)	347-8016 ★

■ This line answered by FSS or WB. Caller can be switched to either office upon request.

FLORIDA

Apalachicola.....	WB	(305)	653-3171
Crestview.....	FSS	(305)	MU 2-2795
Daytona Beach.....	FSS	(904)	255-4767
	WB	(904)	252-5949
Ft. Myers (Page Field).....	FSS	(813)	936-1857
	WB	(813)	WE 6-2057

(0600-1400 Apr-Oct)
(0600-2200 Nov-Mar)

Gainesville.....	FSS	(904)	376-8521
Jacksonville (Imeson).....	FSS	(904)	355-3601 ■
	WB	(904)	353-8605 ★
Key West (International).....	FSS	(305)	CY 6-2042
	WB	(305)	CY 6-2011
Lakeland.....	WB	(813)	682-4221
			(0600-2400 Nov 15-Mar 15)
			(0800-1700 Mar 16-Nov 14)
Melbourne (J.F.K. Mem'l).....	FSS	(305)	PA 3-6151
Miami.....	FSS	(305)	633-1461 ■
	WB	(305)	666-2543 ★
Orlando (Herndon).....	FSS	(305)	841-5101
Pensacola.....	FSS	(305)	HE 8-4390
St Petersburg via Tampa.....	WB	(813)	894-3086 ★
Tallahassee.....	FSS	(305)	224-7101
	WB	(305)	222-3335
Tampa (Tampa International)	FSS	(813)	877-7503
	WB	(813)	872-9964 ★
	WB	(813)	877-1677 ◆
Vero Beach.....	FSS	(305)	562-2167
		(305)	464-1817
W Palm Beach (Palm Beach International).....	FSS	(305)	832-5887 ★
	WB	(305)	835-5832 ◆

FSS AND WEATHER BUREAU TELEPHONE NUMBERS

GEORGIA				INDIANA			
Location	Area Code	Telephone	Location	Area Code	Telephone		
Albany.....	FSS (912)	435-6201	Evansville (Dress Memorial)	FSS (812)	422-8120		
Alma.....	FSS (912)	632-4422 (0600-2200 EST)	WB (219)	WB (812)	424-9613◆		
Athens.....	WB (404)	LI 3-3891◆	Ft. Wayne (Baer Field).....	FSS (219)	747-3139		
Atlanta (Fulton Co.).....	FSS (404)	344-1551	WB (219)	WB (219)	747-2577◆		
	WB (404)	767-0244★	Indianapolis (Weir-Cook).....	FSS (317)	244-3316■		
	WB (404)	767-3187●	WB (317)	WB (317)	244-2411★		
Augusta (Bush Fld).....	FSS (404)	798-5164	Lafayette (Purdue University).....	FSS (317)	743-1802/3		
	WB (404)	798-6821◆	South Bend (St. Joseph Co.).....	FSS (219)	CE 3-4433		
Brunswick (Malcom McKinnon).....	FSS (912)	638-8641	WB (219)	WB (219)	234-3937◆		
Columbus (Muscogee County).....	FSS (404)	322-6458	Terre Haute (Hulman).....	FSS	C-2704		
	WB (404)	322-1793◆ (0630-2045)					
Macon (Muni).....	FSS (912)	788-5064	IOWA				
	WB (912)	788-1100◆	Burlington.....	FSS (319)	752-4734		
Rome.....	WB (404)	232-6801 (0700-1300 Mon-Fri) (0700-1100 Sat)	Cedar Rapids.....	FSS (319)	364-3041		
Savannah (Travis).....	FSS (912)	234-2257/8	Davenport (via Moline Ill.).....	WB (319)	326-2677		
	WB (912)	233-0272	DesMoines.....	FSS (515)	285-5691		
Valdosta.....	FSS (912)	CH 4-2361	WB (515)	WB (515)	284-4493◆		
IDAHO							
Baile (Air Terminal).....	FSS (208)	343-2525■	Dubuque.....	WB (319)	582-3171 (0545-2105)		
Burley.....	FSS (208)	678-7451	Mason City.....	FSS (515)	GA 3-7512		
Idaho Falls (Fanning Field).....	FSS (208)	522-9024	Ottumwa.....	FSS (515)	MU 2-1846		
Malad City.....	FSS (208)	766-2971	Sioux City.....	FSS (712)	258-1060		
Mullan Pass.....	FSS (208)	PR 5-2001	WB (712)	WB (712)	252-0244 ext 210		
Lewiston.....	WB (208)	743-3841	Waterloo.....	FSS (319)	AD 3-5528		
Pocatello.....	FSS (208)	232-2032	WB (319)	WB (319)	234-9902		
	WB (208)	233-0143◆	KANSAS				
ILLINOIS							
Champaign (University of Ill.).....	FSS (217)	822-5211	Concordia.....	WB (913)	243-3141		
Chicago.....	WB (312)	686-2155◆	Chanute.....	FSS (316)	HE 1-4450		
	WB (312)	667-5055★	Dodge City.....	FSS (316)	HU 3-3441		
Joliet.....	FSS (815)	725-3144	WB (316)	WB (316)	483-3311		
	FSS (312)	242-3111	Emporia.....	FSS (316)	DI 2-7475		
Moline (Quad City).....	FSS (309)	762-2412	Garden City (New Municipal).....	FSS (316)	BR 6-2531		
	WB (309)	762-1726	Goodland.....	FSS (913)	TW 9-7154		
Peoria (Greater Peoria).....	FSS (309)	697-0751	WB (913)	WB (913)	899-2360◆		
	WB (309)	637-6422◆	Hill City.....	FSS (913)	674-5642		
Quincy (Baldwin).....	FSS (217)	885-3251	Hutchinson.....	FSS (316)	2-4851		
Rockford (Greater Rockford).....	FSS (815)	965-6758	Manhattan.....	FSS (913)	PR 8-2162 (0700-1900)		
	WB (815)	963-5816◆ (0515-2115)	Russell.....	FSS (913)	(Other hrs. Salina) LC PR 6-9751		
Springfield (Capital).....	FSS (217)	544-5012	Salina.....	FSS (913)	483-2312		
	WB (217)	523-5812◆	Topeka (Phillip Billard).....	FSS (913)	TA 5-5309		
Vandalia.....	FSS (618)	283-0478	WB (913)	WB (913)	232-5478		
			Wichita.....	FSS (316)	CE 4-8659◆		
				WB (316)	942-2261/2		
				WB (316)	942-3284★		
				WB (316)	943-1063◆		

KENTUCKY

Location		Area Code	Telephone
Bowling Green (Warren County)	FSS	(502)	843-4424
Erlanger (Gtr Cincinnati Arpt)	WB	(513)	381-8195♦
Lexington (Blue Grass)	FSS	(606)	254-5143
	WB	(606)	255-1774♦
London	FSS	(606)	864-4410
Louisville (Bowman)	FSS	(502)	451-5344
	WB	(502)	368-2188♦
Paducah (Barkley)	FSS	(502)	442-1551

LOUISIANA

Alexandria	FSS	(318)	445-3663■
Baton Rouge (Ryan)	FSS	(504)	EL 5-2763
	WB	(504)	357-9943♦
Lafayette	FSS		CE 5-3752
	WB		234-1220♦
Lake Charles	FSS	(318)	477-1784
	WB	(318)	477-5227♦
Monroe	FSS	(318)	322-3157
New Orleans	FSS	(504)	943-5535
	WB	(504)	523-4311★
	WB	(504)	729-2520♦
Shreveport (Greater Shreveport)	FSS	(318)	ME 1-3661
	WB	(318)	631-1141♦

MAINE

Augusta (State)	FSS	(207)	622-6491
Caribou	WB	(207)	496-8931
Houlton (Memorial International)	FSS	(207)	532-2475
Millinocket	FSS	(207)	723-8343
Old Town	FSS	(207)	827-2363
	FSS	(207)	827-4010
Portland	FSS	(207)	SP 5-0602
	WB	(207)	775-3071♦

MARYLAND

Baltimore	WB	(301)	761-1333♦
	WB	(301)	766-0757★
Salisbury (Salisbury-Wicomico)	FSS	(301)	742-7324

MASSACHUSETTS

Boston (Logan)	FSS	(617)	LO 7-0099■
	FSS	(617)	LO 7-0015■
	WB	(617)	569-1773★
Nantucket	FSS	(617)	228-0815■
	WB	(617)	228-0971
Worcester	FSS	(617)	PL 5-6083
	WB	(617)	798-2124♦ (0600-2200)

MICHIGAN

Location		Area Code	Telephone
Alpena	WB	(517)	354-8733♦ (0645-1915)
Battle Creek (Kellogg)	FSS	(616)	2-7876
Detroit (Metropolitan Wayne)	FSS	(313)	PA 2-8790
	WB	(313)	274-5310★
Detroit (Willow Run)	WB	(313)	482-5001♦
Flint (Bishop)	FSS	(313)	CE 3-6250
	WB	(313)	CE 4-3987♦
Grand Rapids (Kent County)	FSS	(616)	949-4090
	WB	(616)	949-4251♦
Houghton (Houghton County)	FSS	(906)	482-0380
Houghton Lake (Roscommon County)	WB	(517)	366-5392
Jackson (Reynolds Mun.)	FSS	(517)	ST 4-9640
Lansing (Capital City)	FSS	(517)	482-9237
	WB	(517)	489-2415♦
Marquette	FSS	(906)	GR 5-4197
	WB	(906)	226-8642♦ (0500-2100)
Muskegon (Muskegon County)	FSS	(616)	798-1222
	WB	(616)	798-3048
Pellston (Emmet County)	FSS	(616)	LE 9-8401
Saginaw (Tri City)	FSS	(517)	OX 5-6621
Sault Ste Marie	FSS	(906)	632-8271
	WB	(906)	632-9461
Traverse City	FSS	(616)	947-5056
Ypsilanti	WB	(313)	482-5001

MINNESOTA

Alexandria	FSS	(612)	763-3710
Duluth	WB	(218)	722-7982♦
Hibbing (Chisholm-Hibbing)	FSS	(218)	262-1820
International Falls	WB	(218)	285-5151
Minneapolis (Wold-Chamberlain)	FSS	(612)	PA 9-9386
	FSS	(612)	PA 9-1957
	WB	(612)	PA 9-4429♦
	WB	(612)	729-9339★
Redwood Falls	FSS	(507)	637-8530
Rochester	FSS	(507)	289-1579
	WB	(507)	289-0026♦
St. Cloud	WB	(612)	251-3213 (0400-2200)

St. Paul (See: Minneapolis)

MISSISSIPPI

Greenwood	FSS	(601)	GL 3-2631
Jackson (Thompson Field)	FSS	(601)	939-5212
	WB	(601)	939-5881♦

MISSISSIPPI (Con't)

Location	Area Code	Telephone
McComb (Pike County).....	FSS (601)	684-7070
Meridian (Key Field).....	FSS (601)	482-1243
	WB (601)	483-3725◆
Vicksburg.....	WB (601)	636-1193 (0630-1530 Mon-Fri) (0630-1130 Sat, Holidays) (clsd Sunday)

MISSOURI

Cape Girardeau.....	FSS (314)	ED 4-2803
Columbia.....	FSS (314)	449-1136/7
	WB (314)	443-4332
Joplin.....	FSS (417)	MA 3-6868
Kansas City.....	FSS (816)	GR 1-5484■
	WB (816)	471-2131★
Kirksville.....	FSS (816)	MO 5-4132
St. Joseph (Roeckens Memorial).....	FSS (816)	BR 9-2394
St. Louis (Lambert).....	FSS (314)	PE 1-4411
	WB (314)	731-3001◆
	WB (314)	PE 1-3004★
	WB (314)	848-3303★ (Hazlewood)
Springfield.....	FSS (417)	862-3588■
Vichy (Rolla National).....	FSS (314)	AX 9-3677

NEBRASKA

Chadron.....	FSS (308)	HE 2-3153
Grand Island.....	FSS (308)	382-5196
	WB (308)	384-1907
Imperial.....	FSS (308)	TU 2-4887
Lincoln (Mun/AFB).....	FSS (402)	477-3929■
Norfolk.....	WB (402)	371-3386 (0530-2130)
North Platte (Lee Bird).....	FSS (308)	LE 2-4034■
Omaha (Eppley).....	FSS (402)	341-6178■
	WB (402)	342-3603★
Scottsbluff.....	FSS (308)	635-2615
	WB (308)	632-6822
Sidney.....	FSS (308)	254-3130
Valentine.....	WB (402)	376-3442

NEVADA

Elko.....	FSS (702)	738-6506■
Ely (Yelland Filed).....	FSS (702)	264-2045
	WB (702)	264-2403
Las Vegas (McCarran).....	FSS (702)	736-1573/4■
Lovelock (Derby Field).....	FSS (702)	CR 3-2448
Reno.....	FSS (702)	784-5414
	WB (702)	784-5402◆
Tonopah (Nye County).....	FSS (702)	482-6421
Winnemucca.....	WB (702)	623-2203

NEW HAMPSHIRE

Concord.....	FSS (603)	224-7474
	WB (603)	225-5191
		(0500-1900)
Lebanon (Regional).....	FSS (603)	298-8360

NEW JERSEY

Atlantic City.....	WB (609)	641-4327◆
Millville.....	FSS (609)	825-1173
Newark.....	WB (201)	624-8118
		624-7272★
Teterboro.....	FSS (201)	288-9092

MONTANA

Billings (Logan Field).....	FSS (406)	259-4545■
Bozeman (Gallatin Field).....	FSS (406)	586-6520
Butte (Silver Bow).....	FSS (406)	723-3004
Cat Bank.....	FSS (406)	938-4522
Dillon.....	FSS (406)	683-5651
Glasgow.....	WB (406)	228-8395 (0300-2400)
Great Falls (International).....	FSS (406)	452-6495
	WB (406)	453-3512◆
Havre.....	WB (406)	265-6424 (0430-1315)
Helena.....	FSS (406)	442-9902
	WB (406)	442-8260
Kalispell.....	WB (406)	756-4829
Lewistown.....	FSS (406)	538-3639
Livingston (Mission Field).....	FSS (406)	222-2411
Miles City.....	FSS (406)	232-1503
Missoula (Missoula City).....	FSS (406)	542-2230
	WB (406)	543-7996◆

NEW MEXICO

Albuquerque.....	FSS (505)	243-7831■
	WB (505)	242-2661★
Carlsbad.....	FSS (505)	TU 5-2042
Clayton.....	WB (505)	374-9511
		(0430-1130 Mon-Fri) (0430-0930 Sat)

FSS AND WEATHER BUREAU TELEPHONE NUMBERS

AIM-Apr. 28, 1966

NEW MEXICO (Cen'L)

Location	Area Code	Telephone
Deming.....	FSS (505)	546-2726
Farmington.....	FSS (505)	DA 5-9271
Grants.....	FSS (505)	AT 7-3011
Hobbs (Lea County).....	FSS (505)	EX 3-3222
Las Vegas.....	FSS (505)	GA 5-7411
Raton.....	WB (505)	445-3891 (0545-1225)
Roswell.....	FSS (505)	622-6780■
Santa Fe.....	FSS (505)	YU 3-6581
Silver City.....	WB (505)	538-9023 (0530-2000 Mon-Fri)
Truth or Consequences.....	FSS (505)	894-3277
Tucumcari.....	FSS (505)	461-2900
Zuni.....	FSS (505)	782-3770

NORTH CAROLINA (Cont'L)

Location	Area Code	Telephone
High Point.....	WB (919)	883-1927 (Answered in Greensboro)
New Bern (Simmons-Nolt).....	FSS (919)	ME 7-2080
Raleigh-Durham.....	FSS (919)	787-4289
.....	WB (919)	787-4092◆ 596-2446 (Durham Exchange) 275-6341
Rocky Mount.....	FSS (919)	446-6637
Wilmington (New Hanover County).....	FSS (919)	762-7567
.....	WB (919)	762-3240
Winston-Salem.....	FSS (919)	725-1731
.....	WB (919)	724-2208◆

NEW YORK

Albany (Albany County).....	FSS (518)	869-9225
.....	WB (518)	UN 9-9173◆
Binghamton (Broome County).....	FSS (607)	RA 9-6145
.....	WB (607)	797-0784◆
Buffalo (Greater Buffalo).....	FSS (716)	NF 2-6083■
.....	WB (716)	632-5042★
Elmira (Chemung County).....	FSS (607)	RE 9-2471
Glens Falls (Warren County).....	FSS (518)	RX 3-2593
Islip (Long Island).....	FSS (516)	JU 8-1061
.....	FSS (914)	723-4330
.....	FSS (212)	995-8657
Massena.....	FSS (315)	RO 9-2033
New York (John F. Kennedy Intl).....	IFSS (212)	995-8659
.....	WB (212)	656-7474★
New York (John F. Kennedy Intl and LaGuardia).....	WB (212)	995-9151◆
Poughkeepsie (Dutchess County).....	FSS (914)	462-3400
Rochester (Monroe County).....	FSS (716)	BE 5-5625
.....	WB (716)	FA 8-7391◆
Syracuse (Hancock).....	FSS (315)	GL 4-2479
.....	WB (315)	454-1214◆
Utica (Oneida).....	FSS (315)	RE 6-9023
Watertown.....	FSS (315)	NE 9-3321

NORTH DAKOTA

Bismarck.....	FSS (701)	CA 3-8790
.....	WB (701)	223-0920◆
Dickinson.....	FSS (701)	224-2989
Fargo (Hector).....	FSS (701)	AD 5-8894
.....	WB (701)	232-1584◆
Grand Forks (International).....	FSS (701)	772-7201
Jamestown.....	FSS (701)	CL 2-4350
Minot (International).....	FSS (701)	833-8112
Williston.....	WB (701)	572-3198◆ (0445-2045)

OHIO

Akron.....	FSS (216)	ST 4-1246/7
.....	WB (216)	896-2246◆
Canton.....	WB (216)	499-7933◆
Cincinnati (Lunken).....	FSS (513)	321-1434
.....	WB (513)	381-2300★
.....	WB (513)	381-6706◆
(Greater Cincinnati).....	WB (513)	684-2129◆
.....	WB (606)	283-3696◆
Cleveland (Hopkins).....	FSS (216)	267-0149■
.....	WB (216)	267-3410★
Columbus.....	FSS (614)	237-8478■
Dayton.....	FSS (513)	898-4639
.....	WB (513)	898-4620◆ (Vandalia Exchange)
Findlay.....	FSS (419)	GA 2-3237
Mansfield.....	FSS (419)	524-5323
.....	WB (419)	522-7070 (0600-1800)
Toledo (Express).....	FSS (419)	242-4171
.....	WB (419)	259-6454◆
Youngstown.....	FSS (216)	539-5121
.....	FSS (216)	856-4806
.....	WB (216)	545-2447
Zanesville.....	FSS (614)	452-8611

NORTH CAROLINA

Asheville.....	FSS (704)	684-4401
.....	WB (704)	684-6906◆
Cape Hatteras.....	WB (919)	995-2321
Charlotte.....	WB (704)	399-6000◆
Durham.....	WB (919)	596-2326
Elizabeth City (Coast Guard Air Station).....	FSS (919)	338-3808
Fayetteville (Grannis Field).....	FSS (919)	483-7904
Greensboro.....	WB (919)	299-9499◆
Hickory.....	FSS (704)	DA 7-8281

OKLAHOMA

Location	Area Code	Telephone
Ardmore.....	FSS (405)	CA 3-6772
	FSS (405)	DU 9-5441
Gage.....	FSS (405)	923-2601
Robert.....	FSS (405)	GE 6-4234
McAlester.....	FSS (918)	GA 3-4091
Oklahoma City (Will Rogers).....	FSS (405)	SU 9-7452
	WB (405)	685-4433 ★
	WB (405)	685-6350 ♦
(Answered personally after PATWAS message.)		
Ponca City.....	FSS (405)	RO 5-5485
Tulsa.....	FSS (918)	TE 8-3316
	WB (918)	835-2364 ★

OREGON

Astoria.....	WB (503)	861-2722
Baker.....	FSS (503)	523-2961
Eugene (Mahlon-Sweet).....	FSS (503)	343-7738
	WB (503)	344-0141 ♦
Klamath Falls (Kingsley Field).....	FSS (503)	TU 4-8223
	WB (503)	882-5060
		(0800-1600)
Meacham.....	WB (503)	Meacham 2
		(0700-1500)
Medford.....	FSS (503)	772-6523
	WB (503)	773-1525 ♦
North Bend.....	FSS (503)	756-4916
Pendleton.....	FSS (503)	276-1761
	WB (503)	276-1852
Portland (International).....	FSS (503)	AT 2-7293 ■
	WB (503)	282-2285 ★
Redmond (Roberts Field).....	FSS (503)	548-2522
Salem.....	WB (503)	363-6151
The Dalles.....	FSS (509)	PO 7-1187

PENNSYLVANIA

Allentown (Bethlehem-Easton).....	FSS (215)	264-4539
	WB (215)	264-2241
Altoona (Blair).....	FSS (814)	793-3113
Bradford (Bradford-McKean).....	FSS (814)	362-8860
DuBois.....	FSS (814)	328-2231
Erie (Port Erie).....	FSS (814)	833-1345
	WB (814)	833-1991 ♦
Harrisburg (Harrisburg-York State).....	FSS (717)	233-5987
	WB (717)	233-7315 ♦

PENNSYLVANIA (Con'L)

Location	Area Code	Telephone
Philadelphia (North Philadelphia).....	FSS (215)	OR 3-8020
	WB (215)	726-7511 ♦
	WB (215)	726-3503 ★ (0600-2300)
Philipsburg (Mid-State).....	FSS (814)	342-0830
Pittsburgh (Allegheny).....	FSS (412)	461-8250
	WB (412)	462-5585 ★
	WB (412)	462-5586 ★
Pittsburgh (Greater Pittsburgh).....	WB (412)	771-2855 ♦
Reading.....	WB (215)	376-4103 ♦ (0800-0900 Sun, 0700-noon Sat) (0700-1630 Mon-Fri)
Scranton.....	WB (717)	457-5650 ♦
Wilkes-Barre (Wilkes-Barre/Scranton).....	FSS (717)	457-9600
	WB (717)	457-5650 ♦ (toll call)
Williamsport (Williamsport/Lycoming).....	FSS (717)	368-8547
	WB (717)	368-1866 ♦

RHODE ISLAND

Providence (Green).....	FSS (401)	RE 7-5300
	WB (401)	737-0051 ♦

SOUTH CAROLINA

Anderson.....	FSS (803)	225-7501
	FSS (803)	225-5031 ♦
Charleston.....	FSS (803)	747-5293 ■
	WB (803)	744-8281 ♦
Columbia.....	WB (803)	794-4054 ♦
Crescent Beach (Myrtle Beach).....	FSS (803)	448-7187 (0800-2000)
Florence.....	FSS (803)	662-8197
Greer (Greenville).....	FSS (803)	Greenville 239-3738 ■

Spartanburg 585-5470

SOUTH DAKOTA

Aberdeen.....	FSS (605)	225-5264
	WB (605)	225-7157 ♦
Huron (W. W. Howes).....	FSS (605)	352-3806 ■
Pierre.....	FSS (605)	224-5894
Rapid City.....	FSS (605)	FI 2-2280
	WB (605)	342-1160 (0700-2300 daily)

FSS AND WEATHER BUREAU TELEPHONE NUMBERS

AIM-Apr. 28, 1966

SOUTH DAKOTA (Con't)

Location	Area Code	Telephone
Sioux Falls.....	FSS (605)	ED 8-4841
	WB (605)	338-1441♦
Watertown.....	FSS (605)	TU 6-4581

TENNESSEE

Blountville.....	WB (615)	323-8752♦
Bristol.....	WB (615)	323-8242♦
Chattanooga.....	WB (615)	892-3747♦
Crossville (Crossville-Cumberland).....	FSS (615)	484-6711
Dyersburg.....	FSS (901)	285-4842
		(0600-2200)
Jackson (McKeller).....	FSS (901)	427-0611
Johnson City.....	WB (615)	323-8242
Kingsport.....	WB (615)	323-8242♦
Knoxville (McGhee-Tyson).....	FSS (615)	577-0795
	WB (615)	577-4805♦
(from Maryville).....	(615)	982-3682
Maryville (See Knoxville)		
Memphis.....	FSS (901)	398-9260/9
	WB (901)	398-2347★
Nashville (Metropolitan).....	FSS (615)	254-6552/3
	WB (615)	255-8732★
	WB (615)	256-0333♦
Tri City.....	FSS (615)	323-7242

TEXAS

Abilene.....	FSS (915)	OR 4-6915■
Alice.....	FSS (512)	MO 4-4291
Amarillo (Air Terminal).....	FSS (806)	349-1608■
Austin (Robert Mueller).....	FSS (512)	GR 8-6695
	WB (512)	476-8554
Beaumont (Jefferson County).....	FSS (713)	RA 2-0288
	WB (713)	722-7011♦
Brownsville (Rio Grande Valley International).....	FSS (512)	LI 6-6421
	WB (512)	542-8231♦
Childress.....	FSS (817)	WE 7-3892
College Station (Easterwood).....	FSS (713)	VI 6-8784/5
Corpus Christi.....	WB (512)	883-3008♦
Cotulla.....	FSS (512)	TR 9-2417
Dalhart.....	FSS (806)	CH 9-2006
Dallas Love Field.....	FSS (214)	FL 2-8491■
	WB (214)	264-3481★
		(Transcribed from Ft. Worth)
Del Rio.....	WB (512)	775-2115
El Paso (International).....	FSS (915)	778-4447
	FSS (915)	772-7891■
	WB (915)	778-4487★

TEXAS (Con't)

Location	Area Code	Telephone
Fort Worth (Meacham).....	FSS (817)	MA 4-8471
	WB (817)	283-1571★
	WB (817)	283-3961♦
Galveston (Scholes).....	FSS (713)	SH 4-3255
	WB (713)	763-5670
Gregg County (Longview).....	FSS (214)	MI 3-2612
Houston (International).....	FSS (713)	MI 5-6693
	WB (713)	644-1507★
Junction (Kimble Co.).....	FSS (915)	HI 6-3214
		(0600-1800)
Lubbock.....	FSS (806)	PO 2-5065
	WB (806)	762-2380♦
Lufkin (Angelena County).....	FSS (713)	NE 4-3544
McAllen (Miller Field).....	FSS (512)	MU 2-2878/9
Midland (Air Terminal).....	FSS (915)	563-2611
Mineral Wells.....	FSS (817)	FA 5-5922
Palacios.....	FSS (713)	824-2218
Port Arthur.....	WB (713)	722-7011♦
San Angelo (Mathis).....	FSS (915)	655-5638
	WB (915)	655-9780♦
San Antonio (International).....	FSS (512)	TA6-9575■
Tyler (Pounds).....	FSS (214)	LY 4-6301
Victoria.....	WB (512)	445-1276♦
Waco.....	FSS (817)	PL 2-4811
	WB (817)	754-1582♦
Wichita Falls.....	FSS (817)	322-1302
	WB (817)	322-2011
Wink.....	FSS (915)	LA 7-3351

UTAH

Bryce Canyon.....	FSS (801)	834-5311
Cedar City.....	FSS (801)	JU 6-9131
Delta.....	FSS (801)	4741
		(0600-1800)
Hanksville.....	FSS (801)	Hanksville 8
Millard.....	WB (801)	387-2361
		(0900-1700)
Ogden.....	WB (801)	399-5806
Salt Lake City (Municipal No. 1).....	FSS (801)	524-5183■
	WB (801)	364-5571
Wendover.....	WB (801)	665-2382
		(0430-2015)

VERMONT

Burlington.....	WB (802)	862-2475
		(0600-2300)
Montpelier (Barre-Montpelier).....	FSS (802)	223-2376
	FSS (802)	878-3393
		(from Burlington)

VIRGINIA

Location		Area Code	Telephone
Blackstone.....	FSS	(703)	292-3826 (0600-2200)
Bristol.....	WB	(615)	323-8242♦
Chantilly (Dulles).....	WB	(703)	661-8526♦
Charlottesville (Charlottesville/Albermarle).....	FSS	(703)	973-3909
Danville.....	FSS	(703)	SW 3-1163
Lynchburg.....	WB	(703)	239-0345♦ (0600-1930)
Newport News (Patrick Henry).....	FSS	(703)	877-0200
Norfolk.....	WB	(703)	853-3014♦
Richmond (Byrd Field).....	FSS	(703)	RE 7-8103
	WB	(703)	737-0550♦
Roanoke (Woodrum).....	FSS	(703)	362-1668■

WASHINGTON

Bellingham.....	FSS	(206)	734-6400
Ephrata.....	FSS	(509)	SK 4-2361
Hoquiam (Bowerman).....	FSS	(206)	GE 9-3432
Olympia.....	WB	(206)	357-8386
Seattle (Boeing).....	FSS	(206)	RO 2-4000
	WB	(206)	682-3655★
Spokane (Felts).....	FSS	(509)	KE 5-2906
	WB	(509)	624-5674♦
Toledo (Toledo-Winlock).....	FSS	(206)	864-2371 (0500-2100)
Walla Walla (City-County).....	FSS	(509)	JA 9-1413
Wenatchee (Pangborn).....	FSS	(509)	TU 4-5654
Yakima.....	FSS	(509)	GL 3-9862
	WB	(509)	GL 7-4371

WEST VIRGINIA

Beckley.....	WB	(304)	252-3171♦
Bluefield (Mercer County).....	FSS	(304)	325-6521
Charleston (Kanawha).....	FSS	(304)	342-1371■
Elkins (Randolph).....	FSS	(304)	636-0810
	WB	(304)	636-1246♦
Huntington (Tri-State).....	FSS	(304)	GL 3-1412
	WB	(304)	453-3674♦
Martinsburg.....	FSS	(304)	AM 3-9353

WEST VIRGINIA (Cont'd.)

Location		Area Codes	Telephone
Morgantown.....	FSS	(304)	292-3632
Parkersburg (Wood County).....	FSS	(304)	485-6421
	WB	(304)	422-3661 (0700-1400 Mon-Fri) (0700-1200 Sat)
Wheeling (Ohio County).....	FSS	(304)	CR 7-1252

WISCONSIN

Eau Clare.....	FSS	(715)	835-9642
Green Bay (Austin Straubel).....	FSS	(414)	494-7417■
La Crosse.....	FSS	(608)	785-1225■
Lone Rock (Tri-County).....	FSS	(608)	583-2661
Madison (Traux).....	FSS	(608)	244-1033
	WB	(608)	249-8644♦
Milwaukee (General Mitchell).....	FSS	(414)	481-4414
	FSS	(414)	481-6116
	WB	(414)	744-7810★
	WB	(414)	744-5860♦
Wausau.....	FSS	(715)	845-7396

WYOMING

Casper (Air Terminal).....	FSS	(307)	234-5053
	WB	(307)	234-1201♦
Cheyenne.....	FSS	(307)	638-9711
	WB	(307)	638-3642♦
Lander.....	WB	(307)	332-2718
Laramie (General Brees Field).....	FSS	(307)	745-4010
Rawlins.....	FSS	(307)	324-3241
Rock Springs.....	FSS	(307)	362-2121
Sheridan (Sheridan County).....	FSS	(307)	674-4321
	WB	(307)	674-8639♦ (0400-1800) daily)

Worland.....	FSS	(307)	347-4122
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PUERTO RICO

San Juan (Puerto Rico Intl).....	IFSS		791-1780
	WB		791-0320

VIRGIN ISLANDS

St. Croix (Christiansted, Alexander Hamilton) FSS		773-1425
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Airman's Information Manual

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